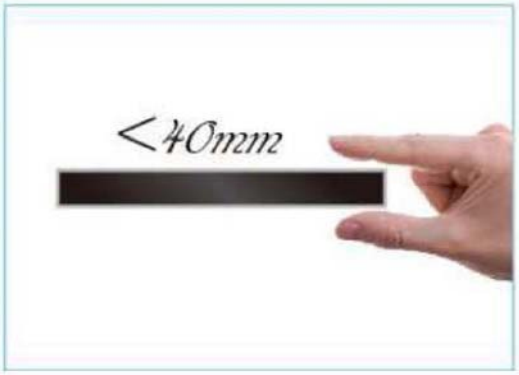
SLED

User's Manual

(v3.1.5)



Document Version 1.1

i-Tech Company LLC
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SLED Full Color LED Signage User's Manual

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Specifications are subject to change without notice.

Trademarks:

SLED is a trademark of i-Tech Company LLC.

I-Tech Company LLC.
41758 Christy Street
Fremont, CA 94538

Important Safety Instructions

- Read and follow these instructions. And keep all instructions.
- Heed all warnings.
- Do not use this product near water. Clean only with a dry cloth.
- Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatuses that produce heat.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this product during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, the apparatus does not operate normally, or the apparatus has been dropped.
- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
- Do not expose apparatus to dripping or splashing and do not place objects filled with liquid on the apparatus.

Product Cautions

TO PREVENT POSSIBLE DANGER, ELECTRIC SHOCK, AND OTHER INJURIES WHEN HANDLING YOUR SIGNAGE, PLEASE BE AWARE OF OF ALL WARNINGS AND SAFETY PRECAUTIONS LISTED BELOW.

Never insert anything into the LED signage, where objects can come into contact with high voltage nodes or damage internal components.

Do not attempt to service the signage yourself. Opening or removing covers exposes high voltage nodes and other hazards.

Refer all servicing to qualified service personnel.

Do not touch the LED signage during thunderstorms.
Unplug the signage during thunderstorms, or if it will not be us ed for extended periods.

Failure to do so may result in electric shock or fire.

Before cleaning the LED signage, unplug it from the wall. Do not use a damp cloth for cleaning. Never use liquid or aerosol cleaners.

To prevent overheating and ensure reliable operation, place the LED signage only in a well indoor and ventilated location.

Note: Read all safety and operating instructions before operating your new SLED LED display.

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1. Introduction

SLED series models are innovated electronic LED signage, which is characterized by low power consumption and ultra-thin & lightweight for easy carry and installation. Differed from traditional type, SLED series models, with weighs from 3~ 18kgs and thickness from 28 ~ 40mm, is integrated with 8x8 full color LED modules that are constitutes by 3-in-1 RGB LED with dot pitch 6mm, a memory card and a control system. All the SLED are activated by the point-to-point (static) driving technology; each color shows 1,024 grayscale levels controlled by the 10-bit PWM. Thus, SLED model can reach full color performance with natural color blending, excellent smoothness and consistency, which is superior to any scan-driving LED signage.

SLED is also a remarkable eco-solution tool for your business marketing. Under normal video display, power consumption of the SLED (Model No.: LM19296F-6) is below 250W while maximum is no more than 500W under full-power operation (RGB 256x256x256). SLED promises you the best advertising platform for your business marketing and enables users to utilize their creativities to the fullest in an economical way. It saves both your bills as well as the globe.

In brief, easy installation & operation of SLED allows users to advertise their products / brands / services wherever they prefer. Whether you mount it on the wall, hang from the ceiling, place on a tripod, SLED can be easily managed. Sbravo's SLED provides you a new marketing medium for your advertising planning. Marketing yourselves wherever you go!

2.1 Application

- □ Indoor (semi-indoor) LED display;
- □ LED message signboards
- □ Advertising signage
- □ Installation art or media art

2.2 Feature

- □ 3-in-1 SMD LED
- □ 6 mm pixel pitch
- □ 10-bit (1024) grayscale PWM control for each single LED
- □ Point-to-Point (static) driving mode
- □ Embedded Control System
- □ Thickness < 40 mm, weight 3kgs ~18kgs
  Ultra-thin & lightweight for easy-mounted
- □ Full color performance (more than one billion colors, 1024*1024*1024 colors),
- □ Natural color-blending, consistency and smoothness
- □ Low power-consumption for power saving
- □ No thermal issue, cooler system needless
- □ Temperature range of operation: -10 to 40°C
- □ Meet RoHS compliant (lead free)
- □ User Friendly Operation Interface
- □ Module design for easy maintenance
- □ Metal frame, thin, firm & durable

3 *Unpacking Your SLED*

Before using your new signage, you should unpack the contents of the box and check to make sure everything is present and undamaged.

To unpack the signage:

A. Set the box upright near the intended signage location.
B. Open the top of the box.
C. Remove the accessories box from behind the signage and set it aside.
D. Lift the LED signage out of the box.
E. Remove the pads and set the signage aside.
The accessories box should contain the items indicated below. If any items are missing or damaged, please contact the seller immediately.

The accessories including:

A. CD x 1 (includes User's Manual)
B. Power Adaptor x 1
C. USB Cable x 1

4. SLED Dimension 4-1.

Model: SLED6448F-6

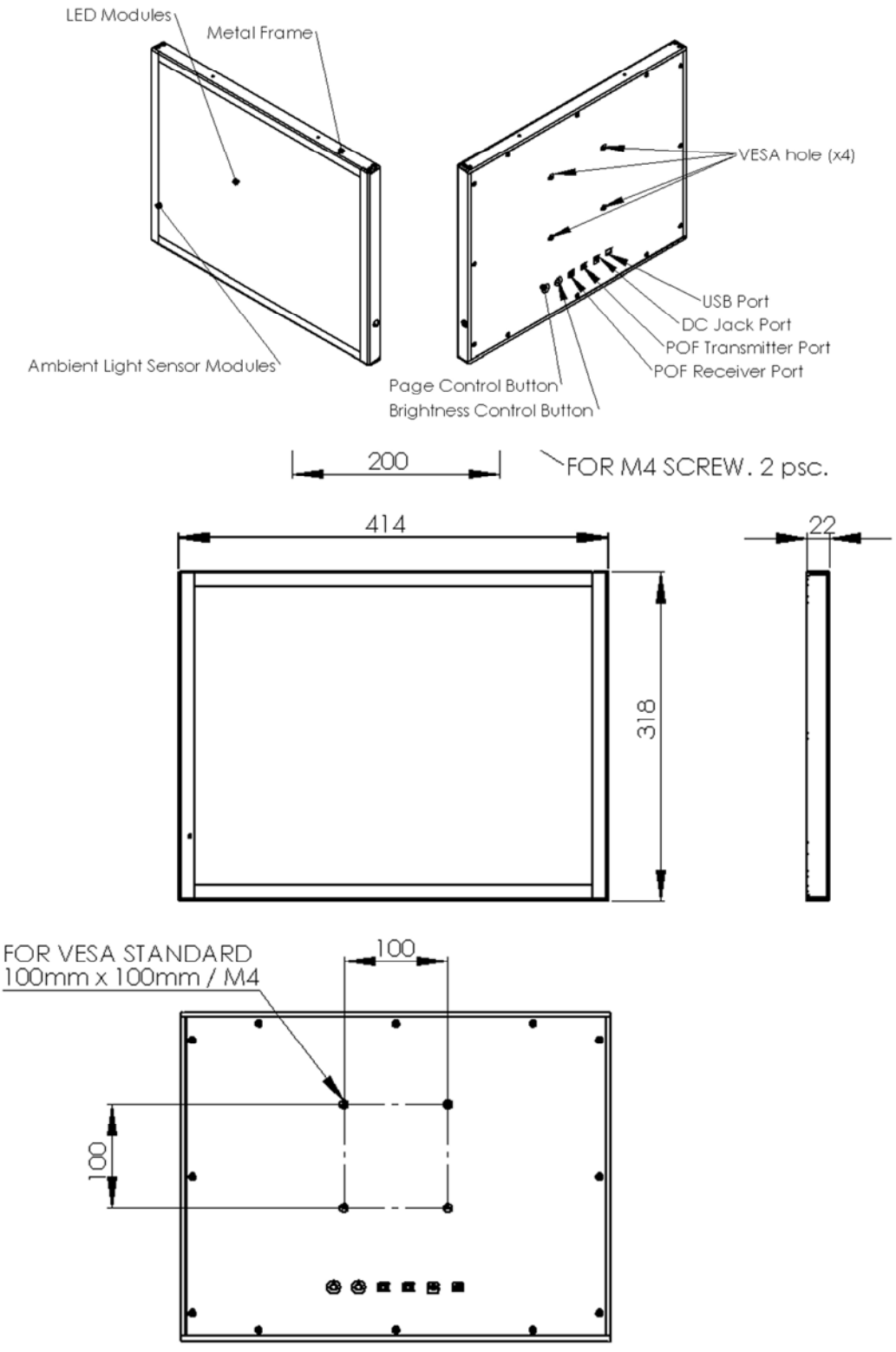
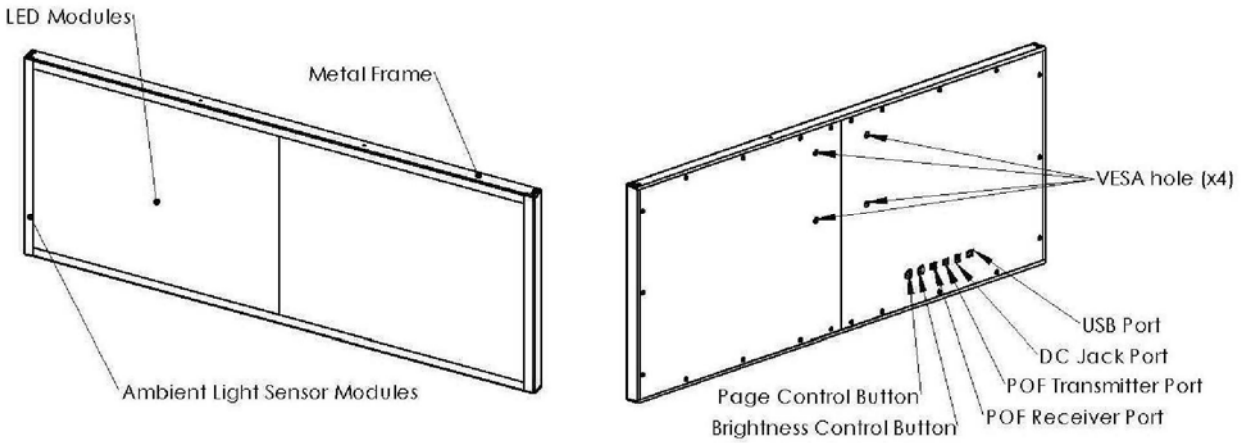


Figure 1

4-2. Model: SLED12848F-6



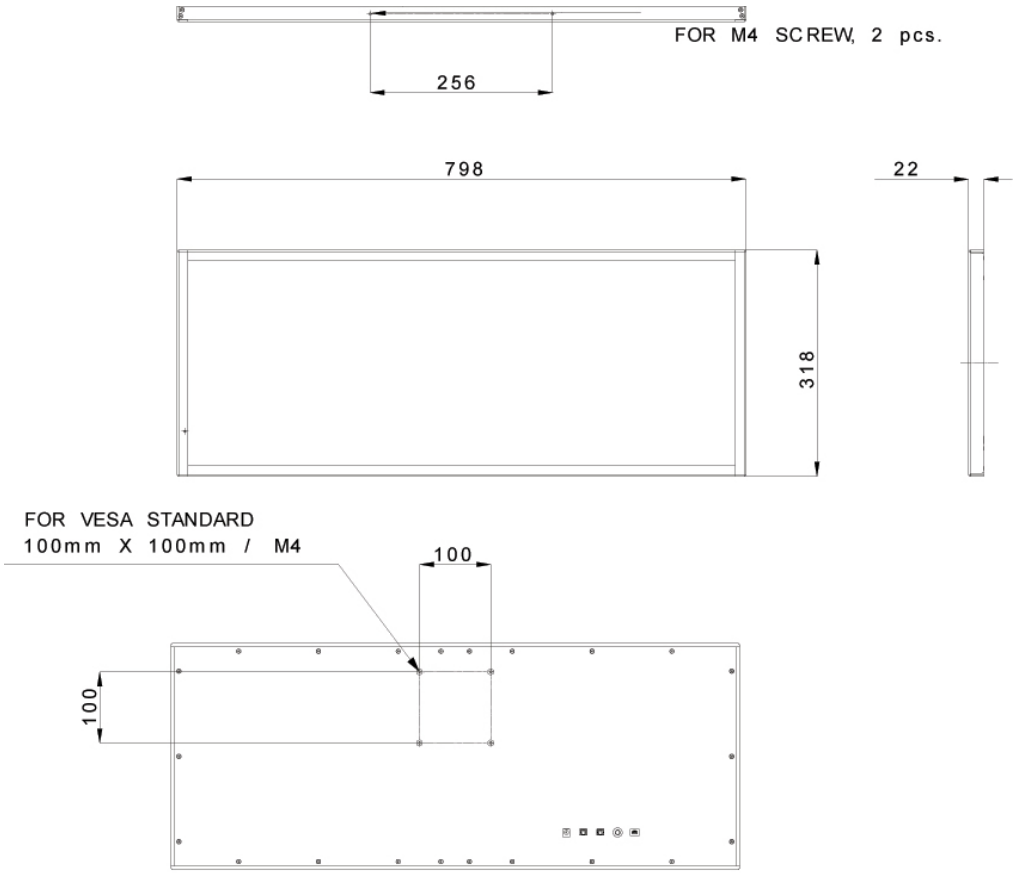


Figure 2

4-3. Model: SLED19248F-6

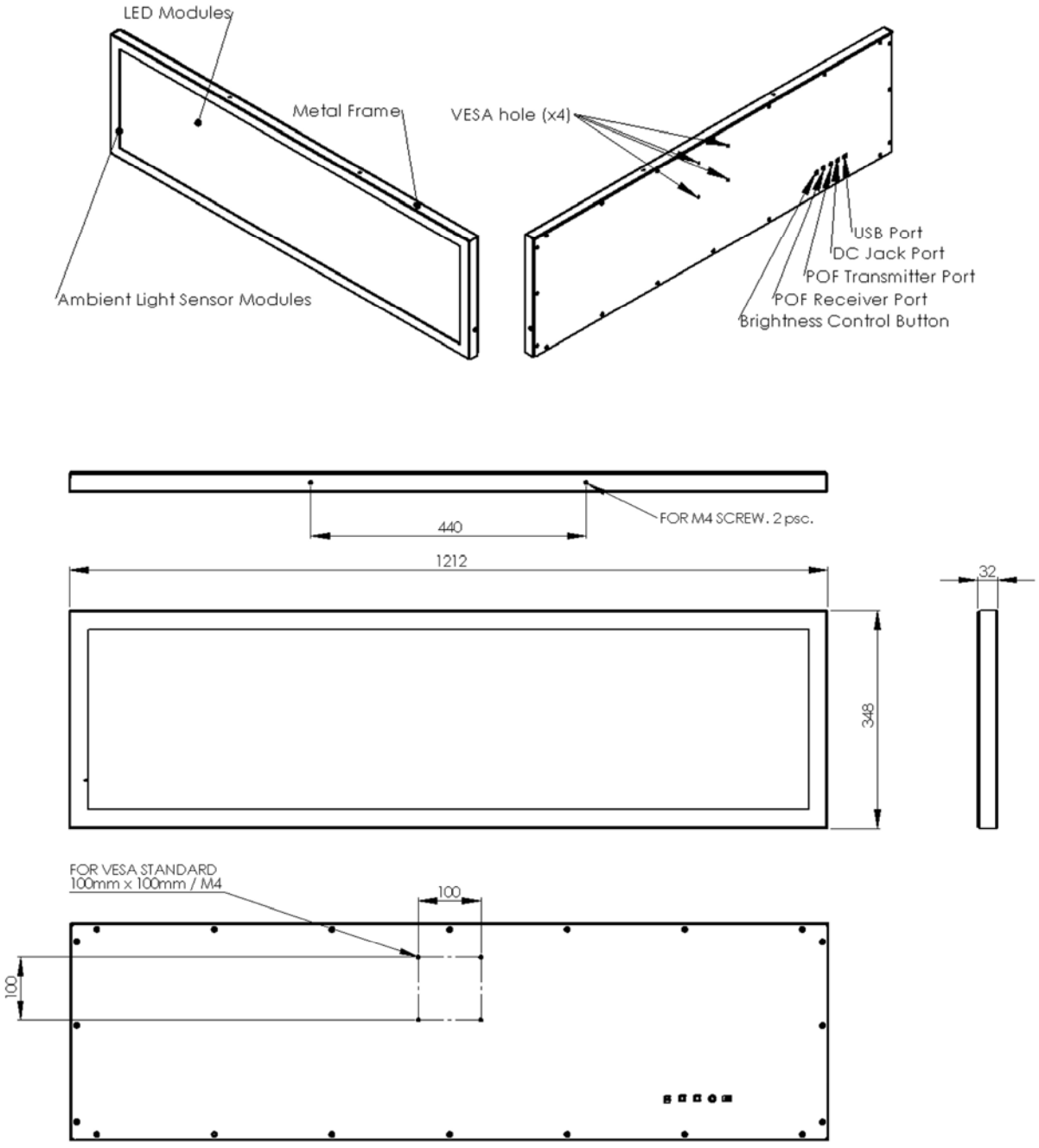


Figure 3

4-4. Model: SLED25648F-6

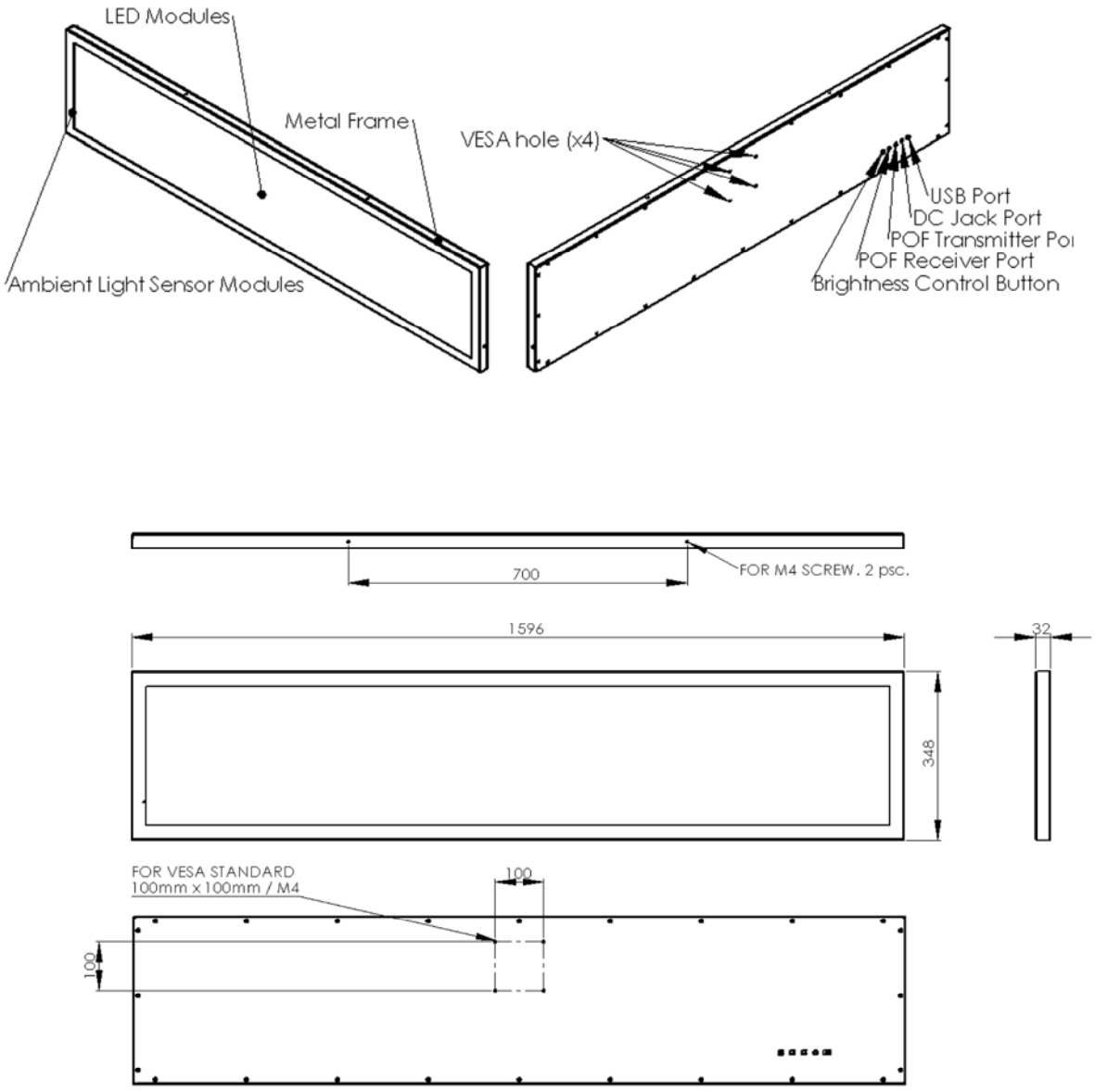


Figure 4

4-5. Model: SLED12896F-6

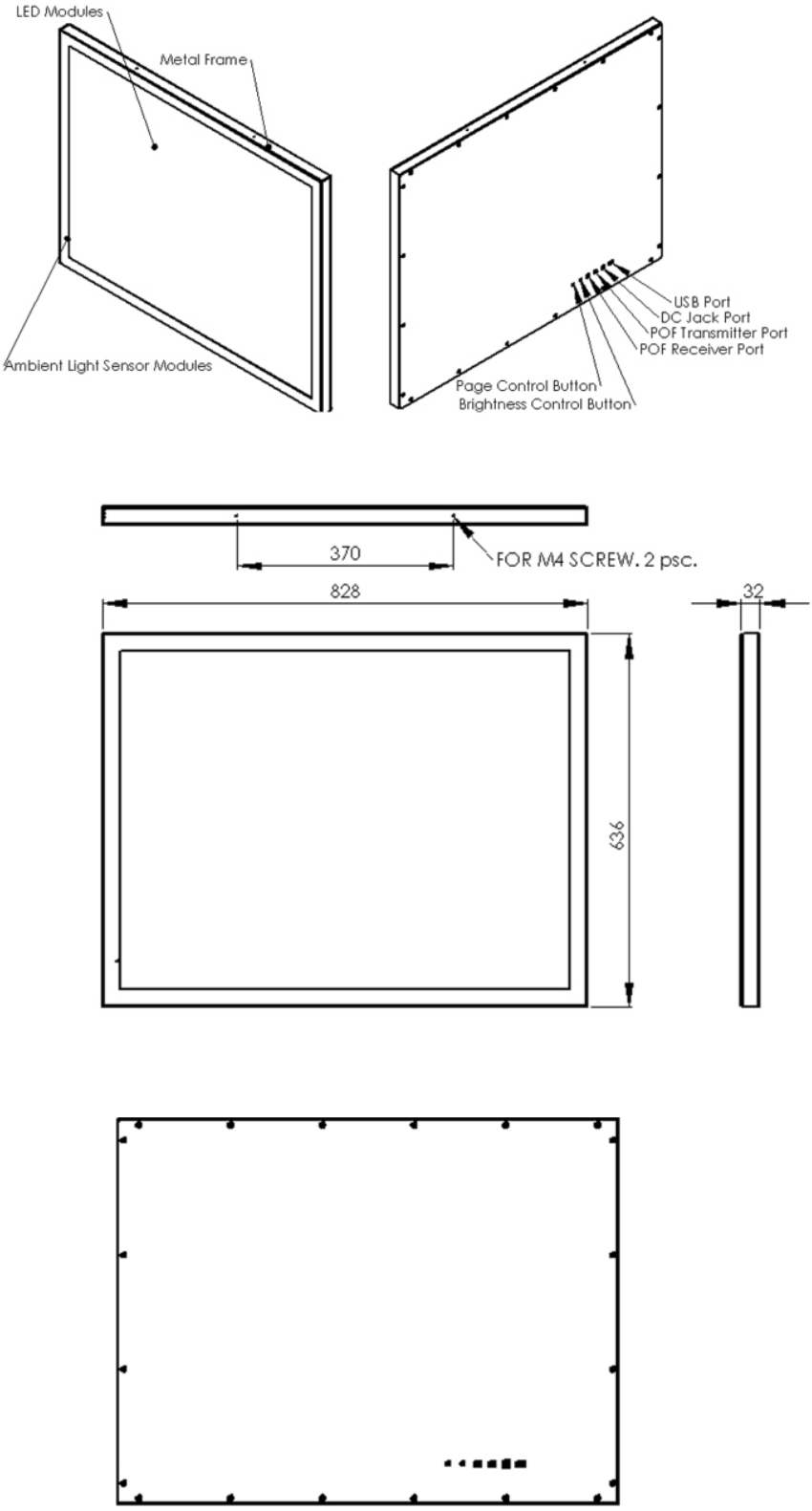


Figure 5

5. Hardware & Software Installation

5.1. If you are going to connect several SLED to show one video file, please be make sure to connect the SLED by Plastic optical fiber cable by Figure 6 list.
(p.s. 5.1 is unnecessary if connection is only one unit SLED).

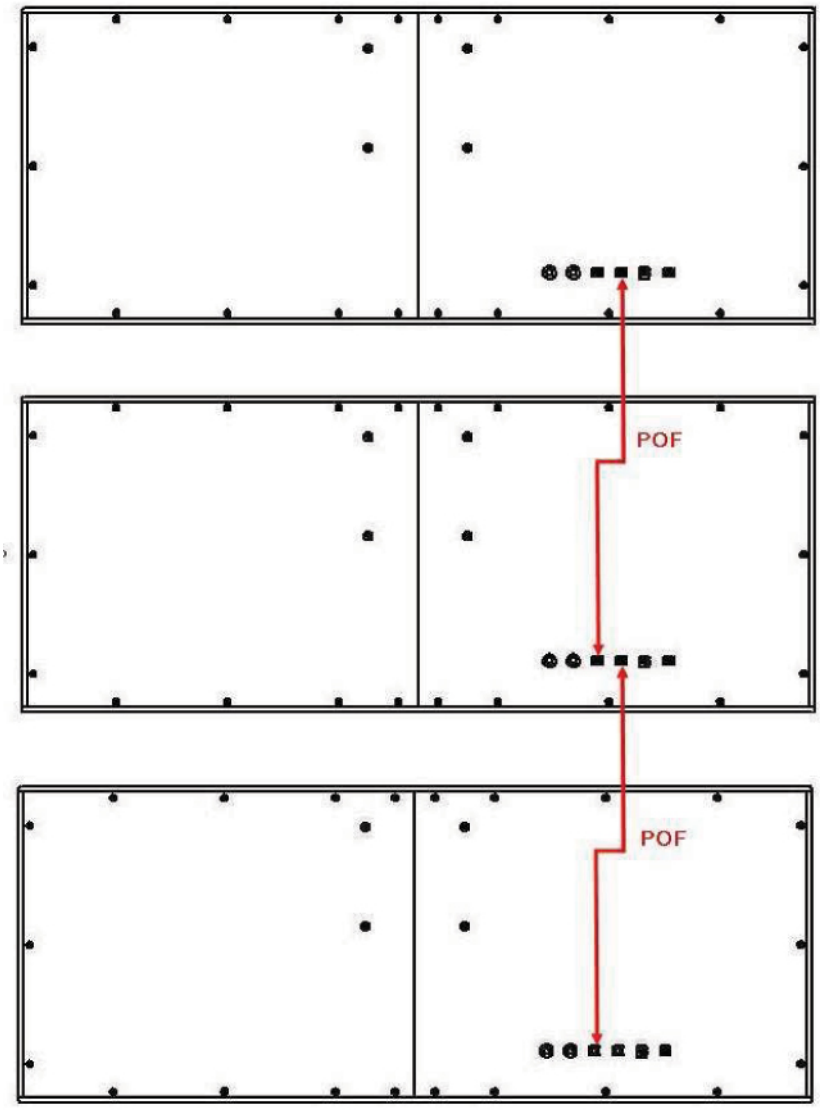


Figure 6

5.2. Plug in the power cable to SLED and connecting the USB cable from your computer to SLED. (as Figure. 7.)

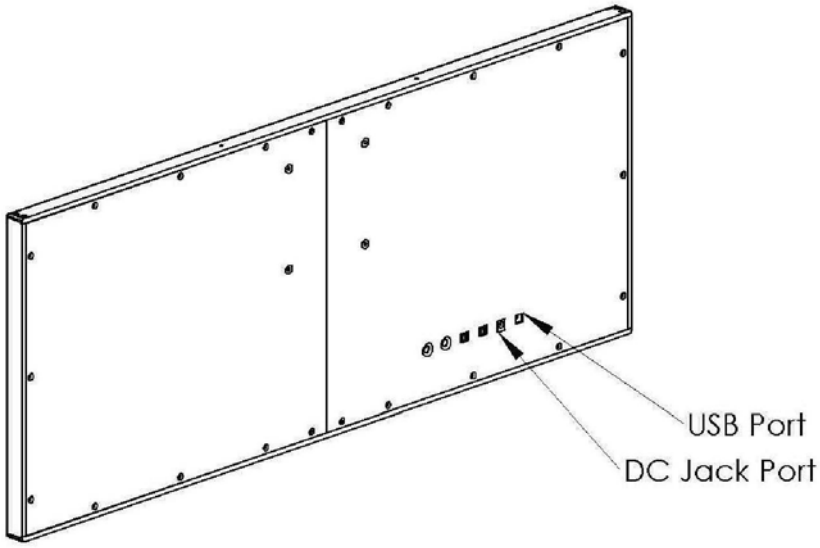
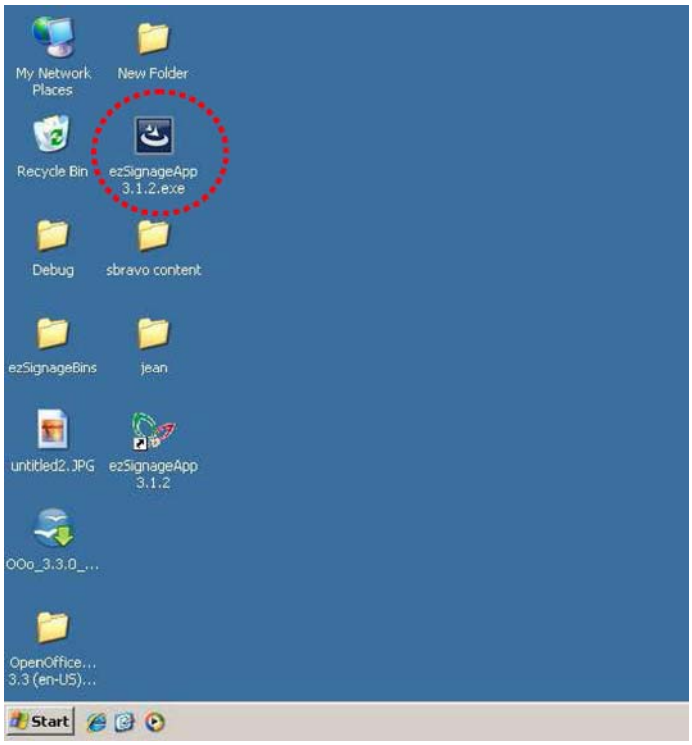


Figure 7

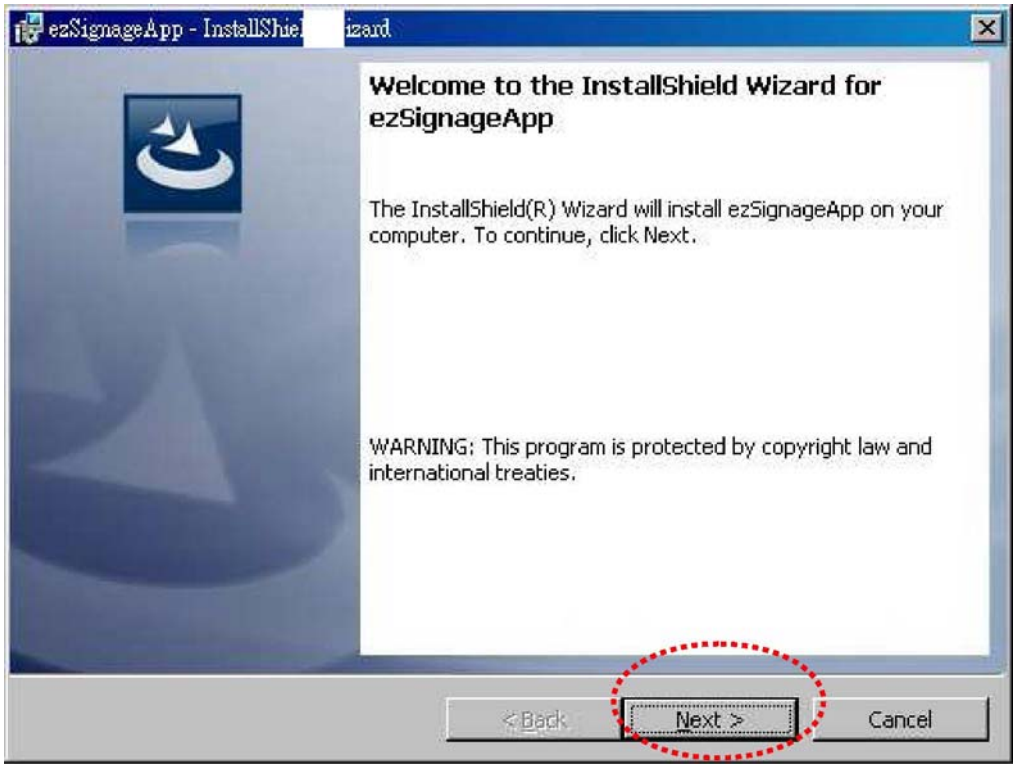
5.3. Insert the SLED software, which is attaching with SLED, to PC.

For Windows XP

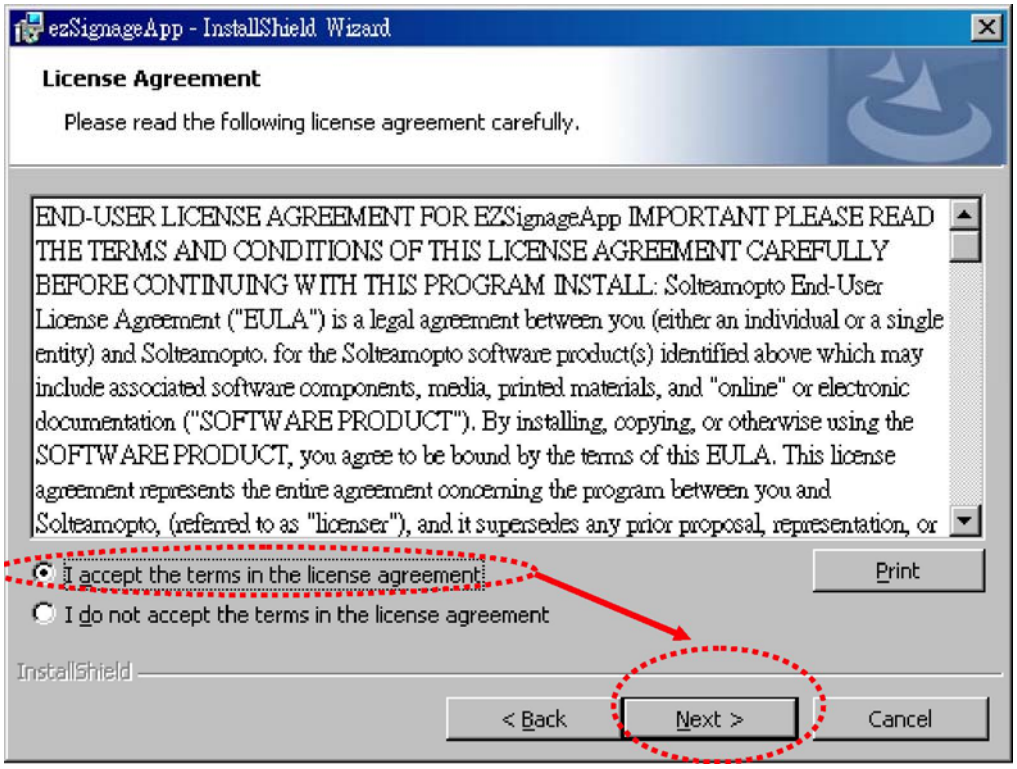
A. Please execute "**SLEDApp3.x.x.exe** " .



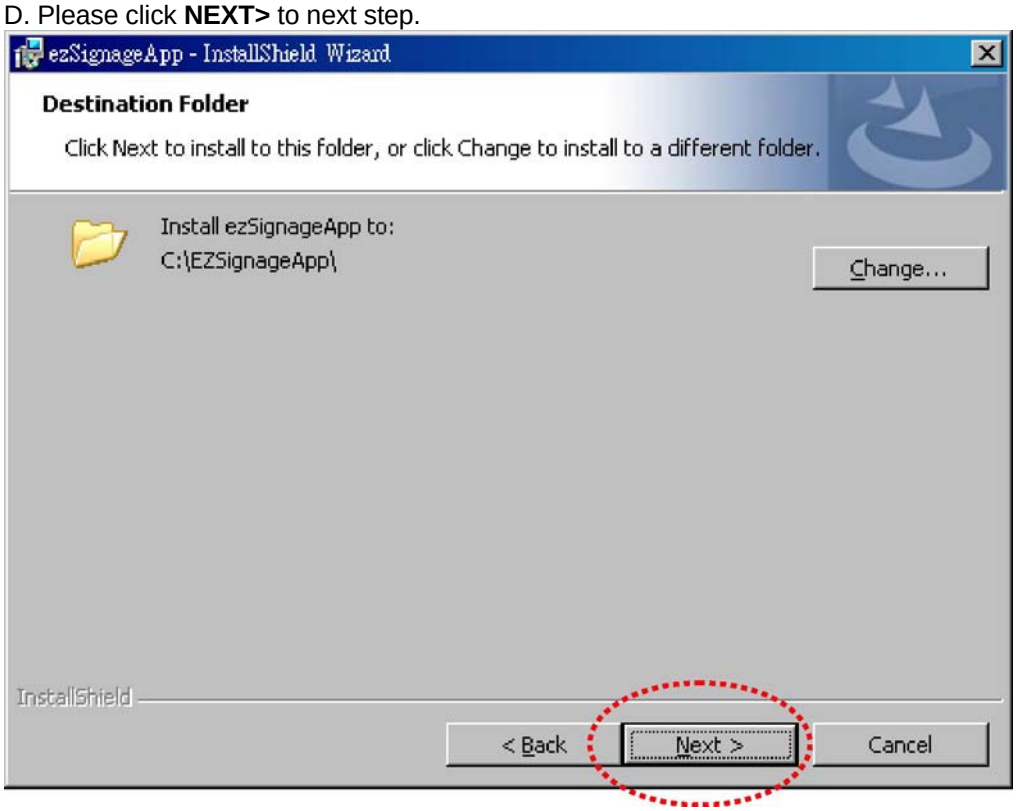
B. Click **NEXT>** to start installation.


ezSignageApp - InstallShie
izard
Welcome to the InstallShield Wizard for ezSignageApp
The InstallShield(R) Wizard will install ezSignageApp on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

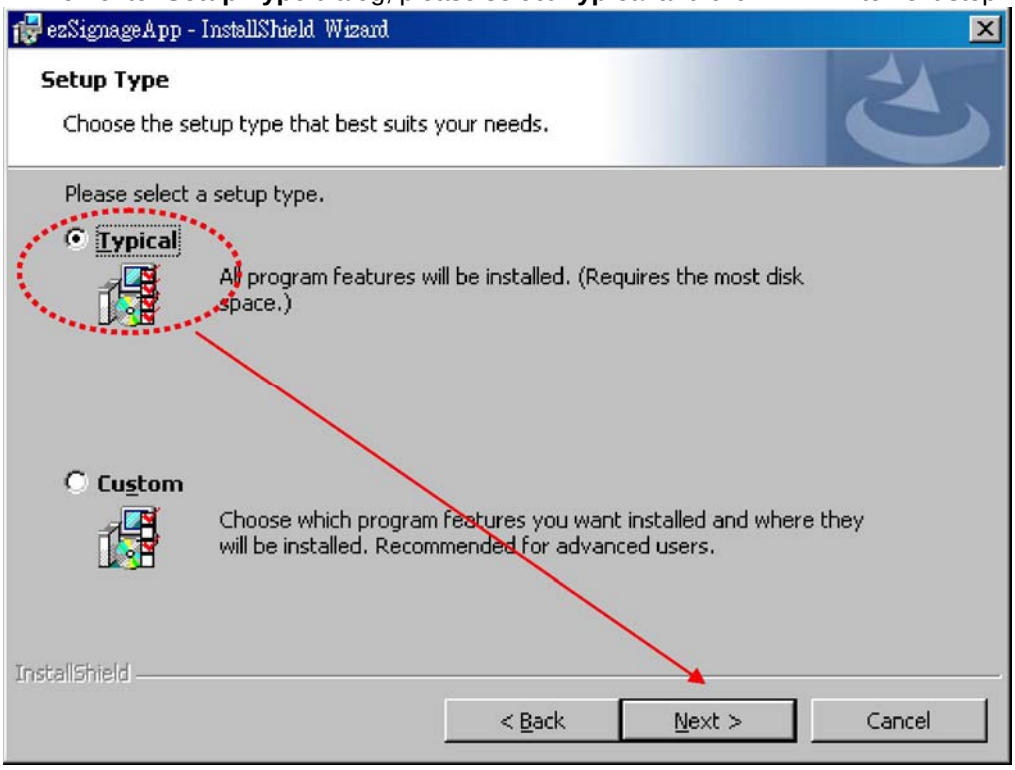
C. When enter to **License Agreement** dialog, please select **I accept the terms in the license agreement** and click **Next>** to next step.


ezSignageApp - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
END-USER LICENSE AGREEMENT FOR EZSignageApp IMPORTANT PLEASE READ THE TERMS AND CONDITIONS OF THIS LICENSE AGREEMENT CAREFULLY BEFORE CONTINUING WITH THIS PROGRAM INSTALL: Solteamopto End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Solteamopto. for the Solteamopto software product(s) identified above which may include associated software components, media, printed materials, and "online" or electronic documentation ("SOFTWARE PRODUCT"). By installing, copying, or otherwise using the SOFTWARE PRODUCT, you agree to be bound by the terms of this EULA. This license agreement represents the entire agreement concerning the program between you and Solteamopto, (referred to as "licenser"), and it supersedes any prior proposal, representation, or
I accept the terms in the license agreement
I do not accept the terms in the license agreement
Print
InstallShield
< Back
Next >
Cancel

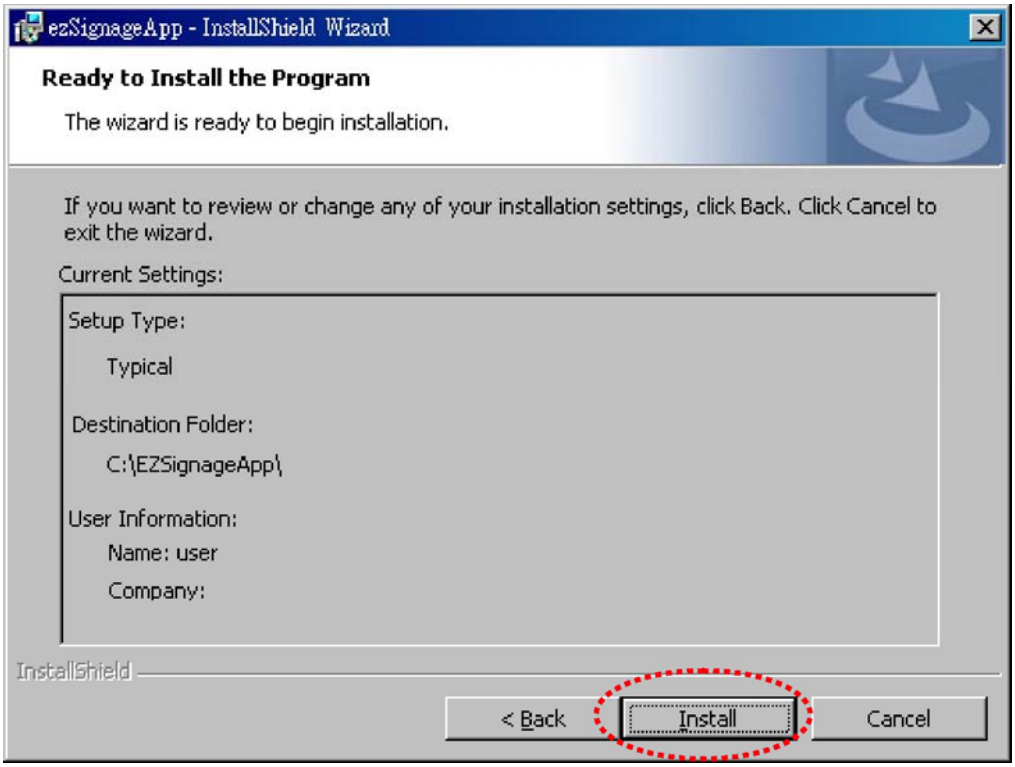
D. Please click **NEXT>** to next step.

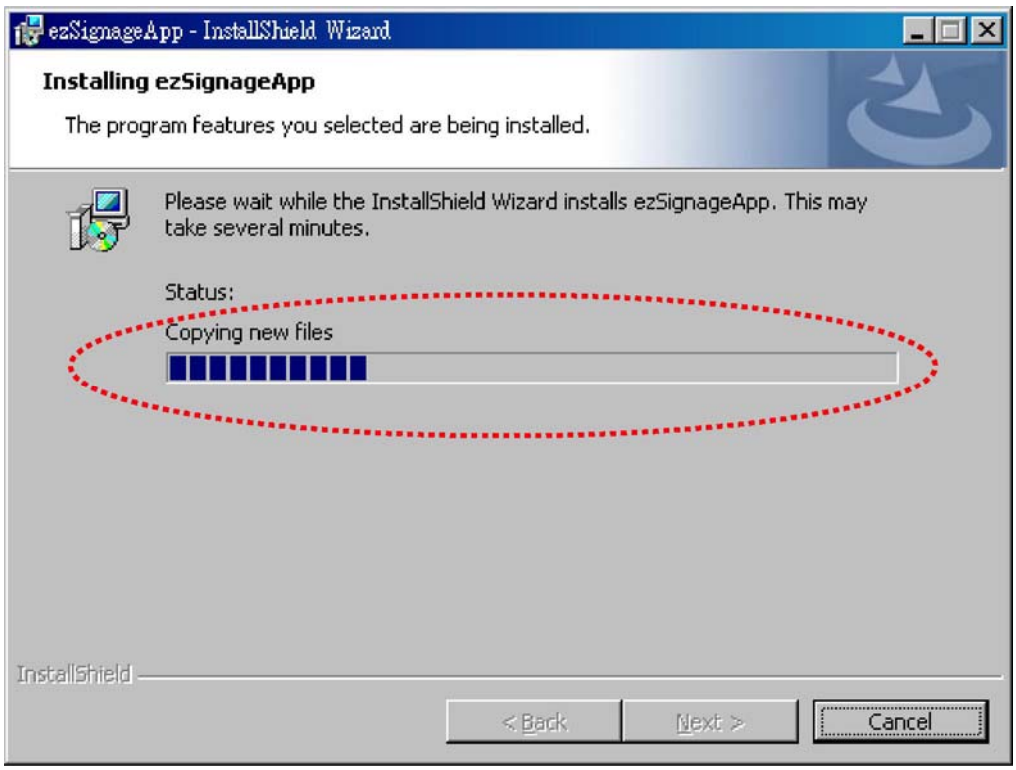


E. When enter **Setup Type** dialog, please select **Typica**l and click **NEXT>** to next step.

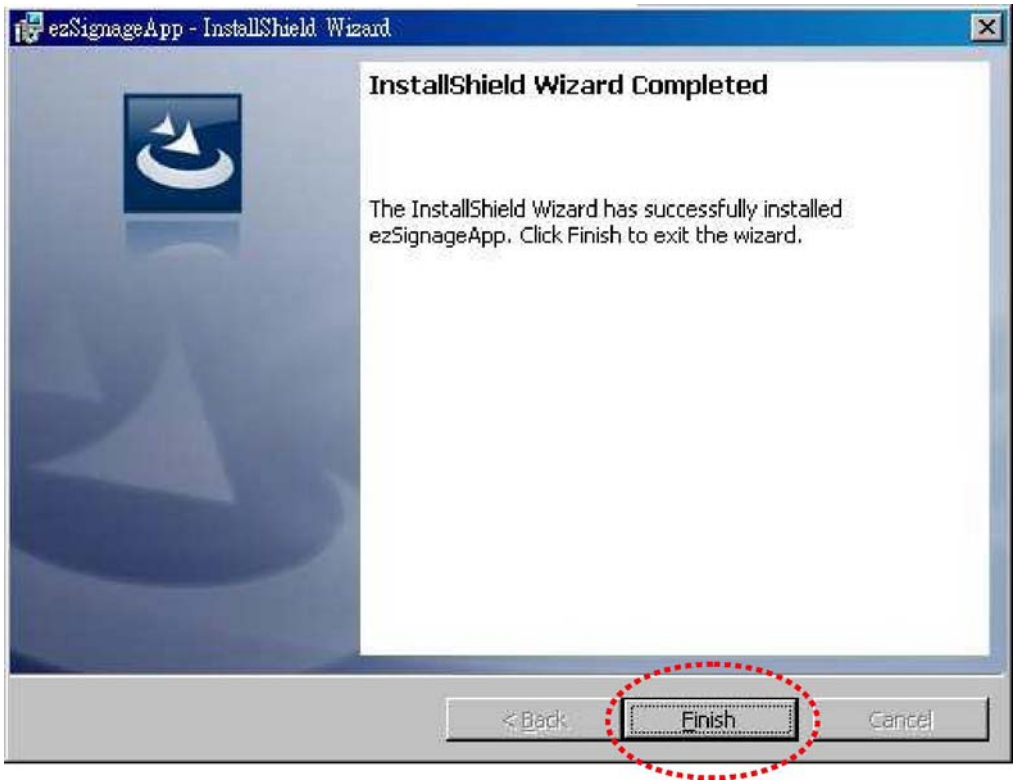

ezSignageApp - InstallShield Wizard
Setup Type
Choose the setup type that best suits your needs.
Please select a setup type.
Typical
All program features will be installed. (Requires the most disk space.)
Custom
Choose which program features you want installed and where they will be installed. Recommended for advanced users.
InstallShield
< Back
Next >
Cancel

F. When enter to **Ready to Install the Program** dialog, please click **Install** button to install SLED APP and the status bar will track the installation status.

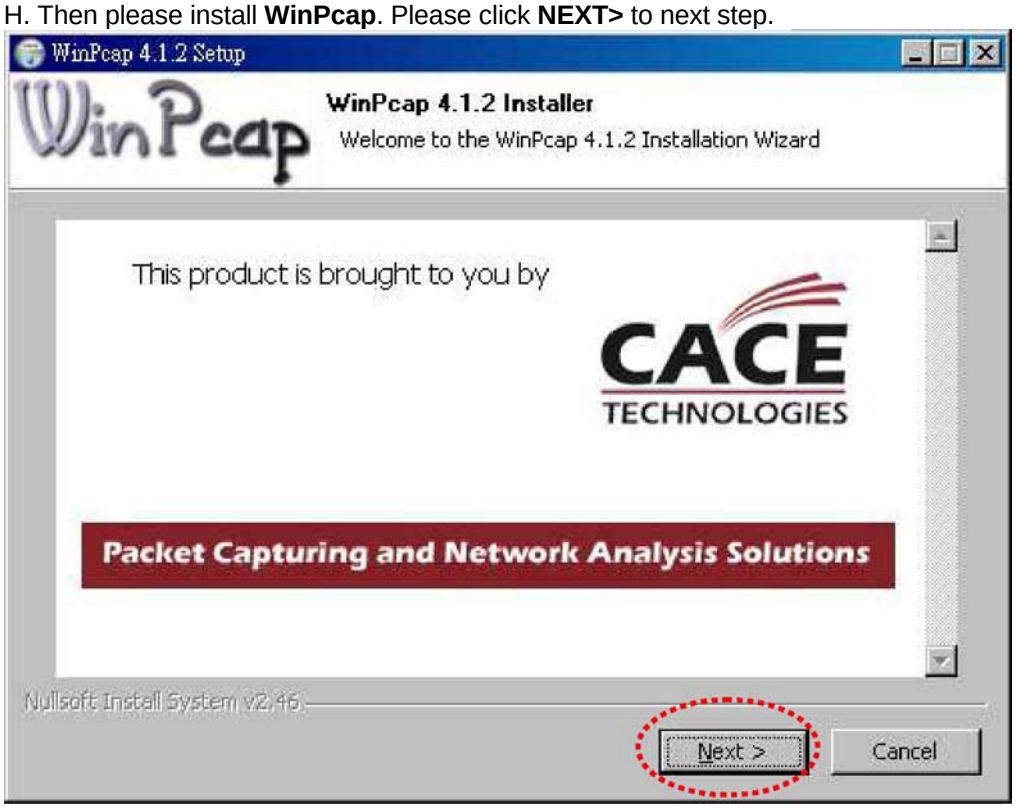



ezSignageApp - InstallShield Wizard
Installing ezSignageApp
The program features you selected are being installed.
Please wait while the InstallShield Wizard installs ezSignageApp. This may take several minutes.
Status:
Copying new files
InstallShield
< Back
Next >
Cancel

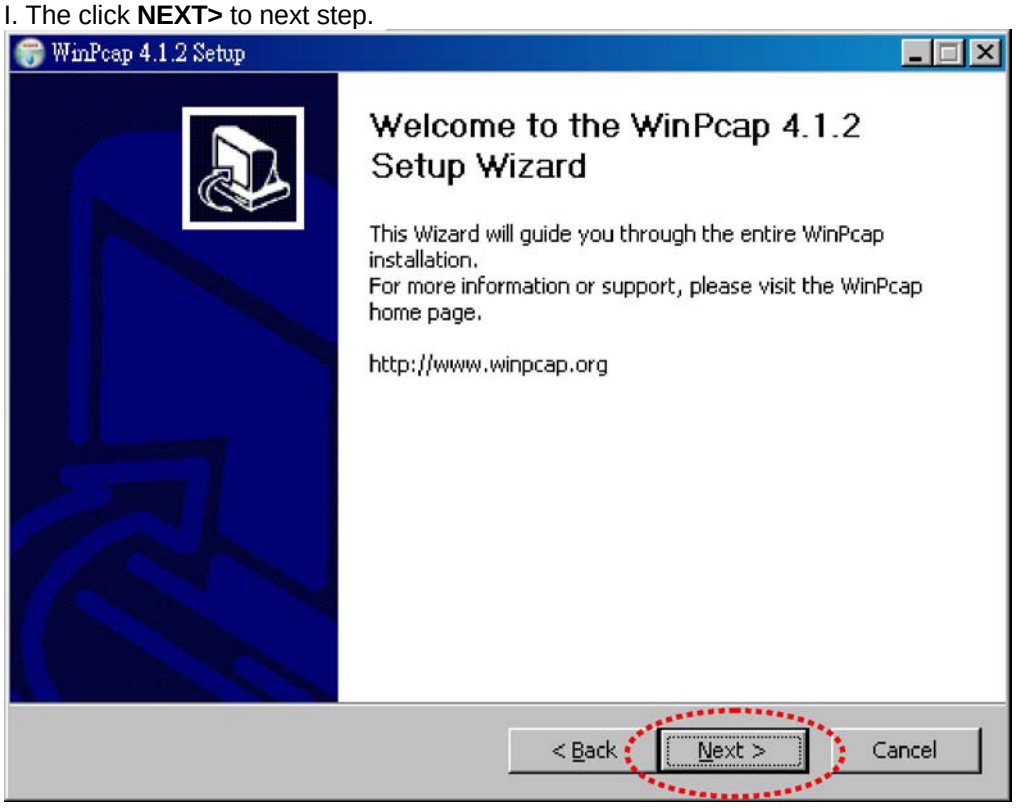
G. Please click **Finish** button to finish the installation.


ezSignageApp - InstallShield Wizard
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed ezSignageApp. Click Finish to exit the wizard.
< Back
Finish
Cancel

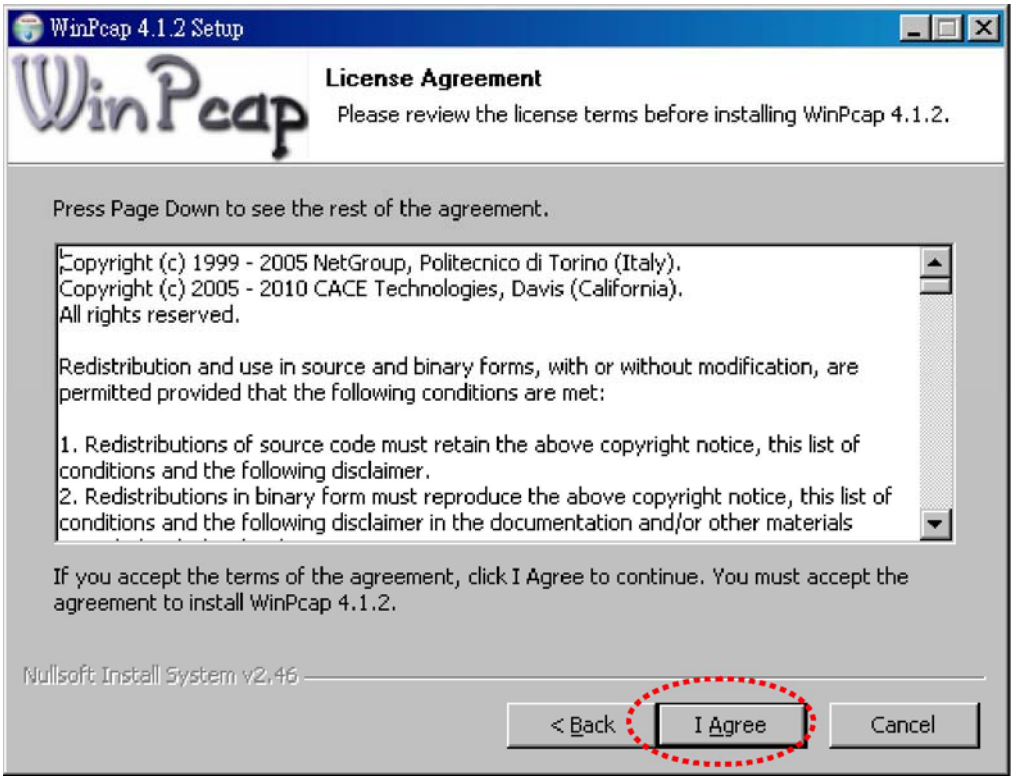
H. Then please install **WinPcap**. Please click **NEXT>** to next step.



I. The click **NEXT>** to next step.


WinPcap 4.1.2 Setup
Welcome to the WinPcap 4.1.2 Setup Wizard
This Wizard will guide you through the entire WinPcap installation.
For more information or support, please visit the WinPcap home page.
http://www.winpcap.org
< Back
Next >
Cancel

J. When enter to **License Agreement** dialog, please select **I Agree.**


WinPcap 4.1.2 Setup
License Agreement
Please review the license terms before installing WinPcap 4.1.2.
Press Page Down to see the rest of the agreement.
Copyright (c) 1999 - 2005 NetGroup, Politecnico di Torino (Italy).
Copyright (c) 2005 - 2010 CACE Technologies, Davis (California).
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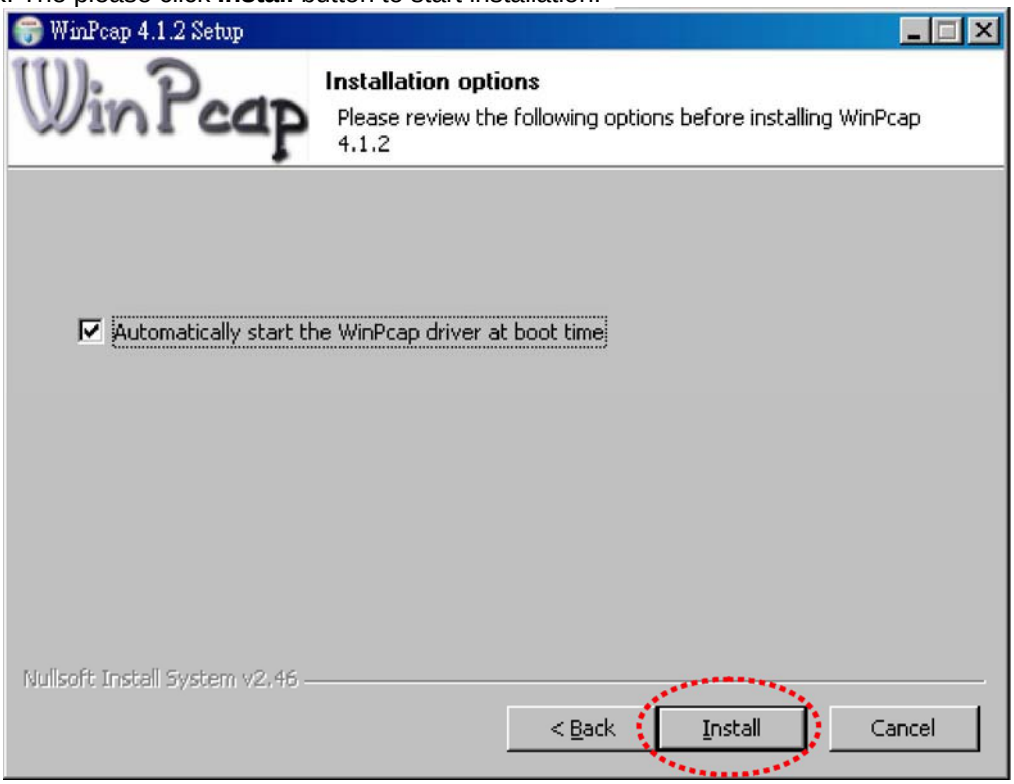
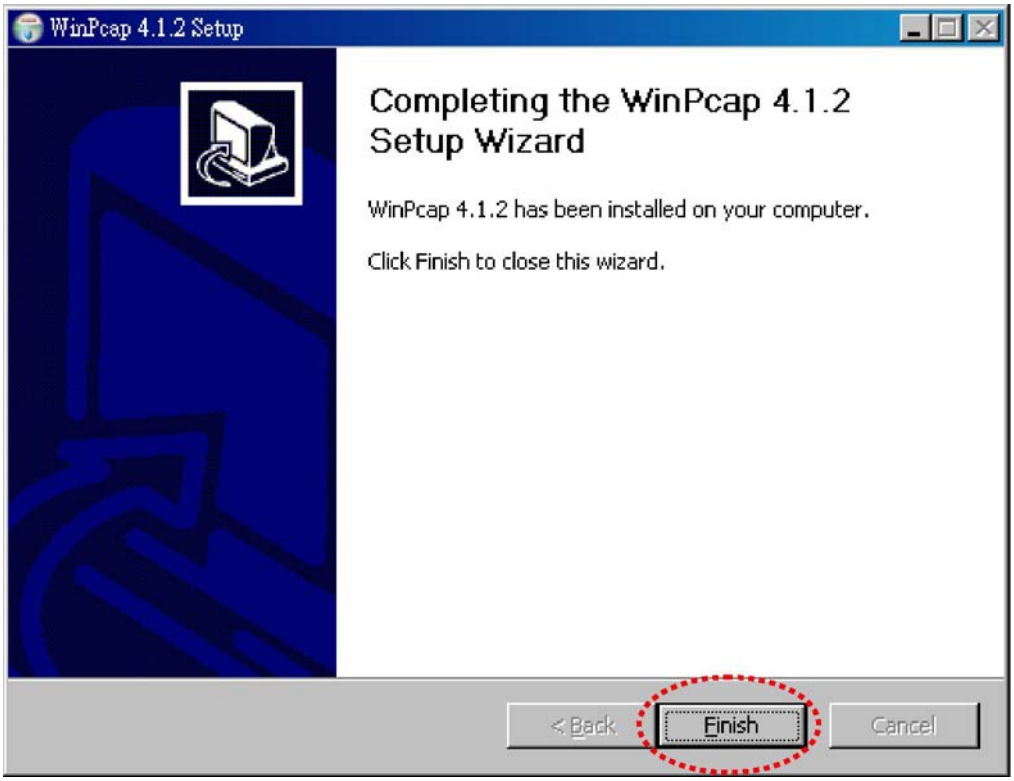
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install WinPcap 4.1.2.
Nullsoft Install System v2.46
< Back
I Agree
Cancel

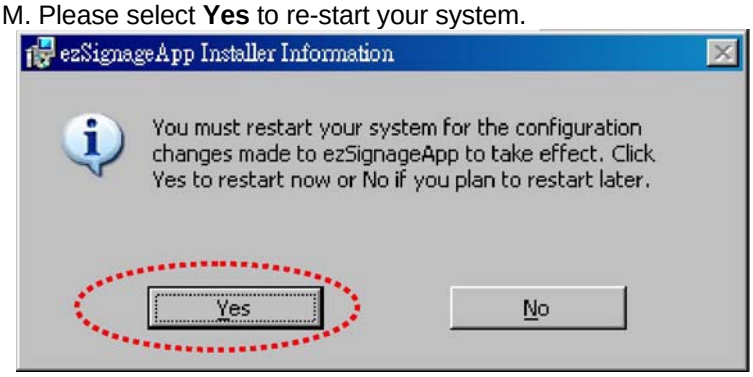
K. The please click **Install** button to start installation.



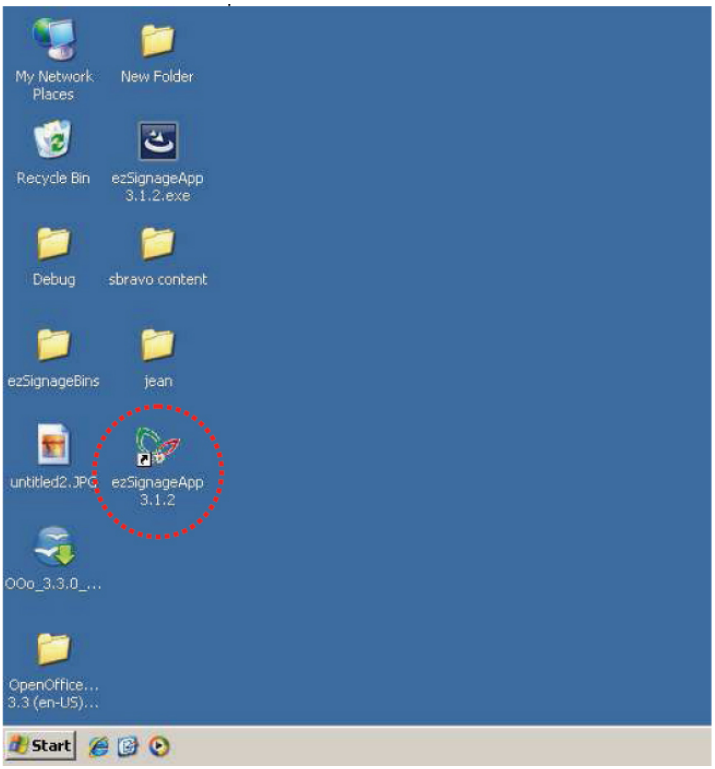
L. The click **Finish** to finish the installation.



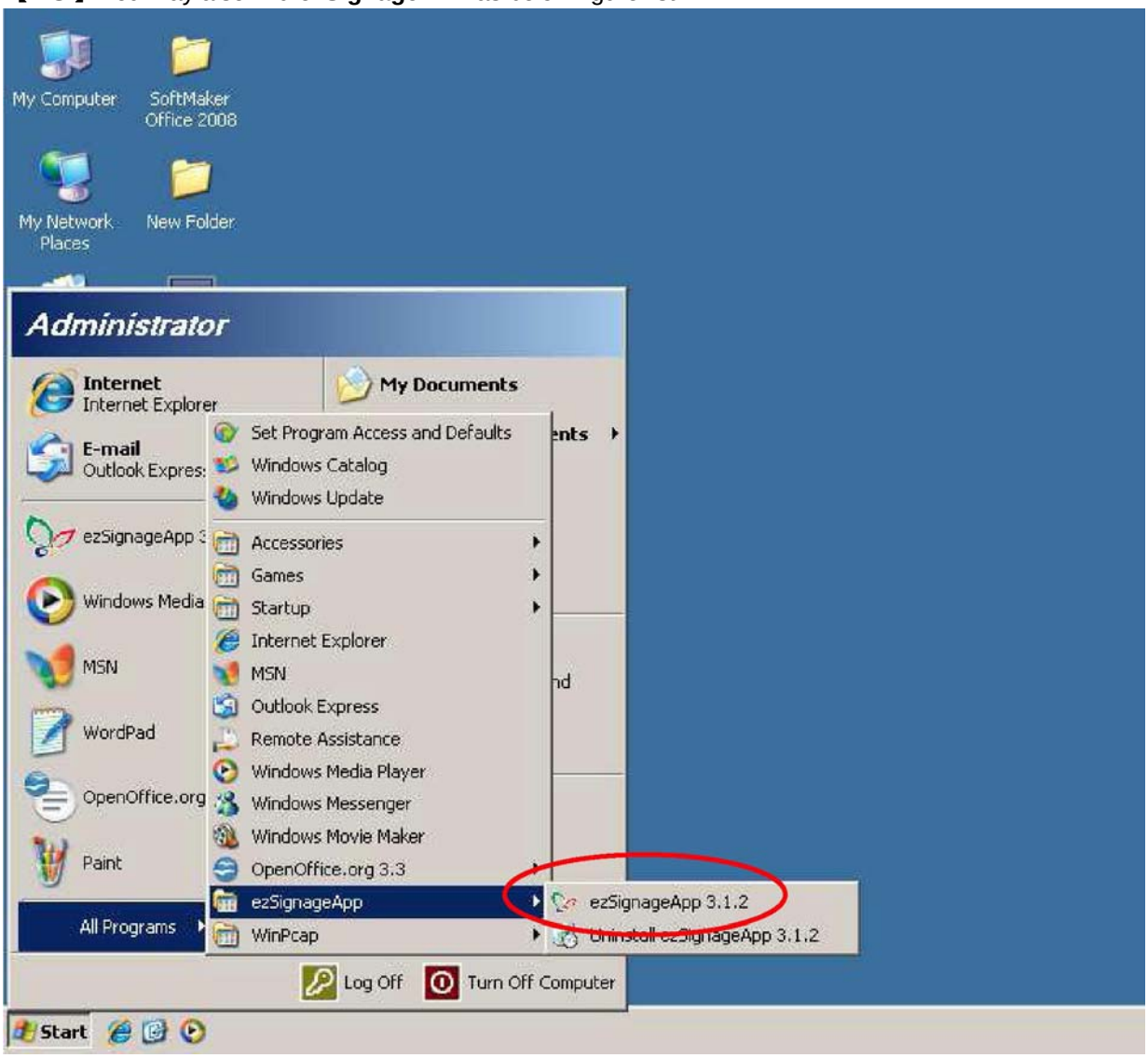
M. Please select **Yes** to re-start your system.


ezSignageApp Installer Information
You must restart your system for the configuration changes made to ezSignageApp to take effect. Click Yes to restart now or No if you plan to restart later.
Yes
No

N. After re-starting the system and installed the software successfully, you may find SLEDAPP shortcut on the desktop.

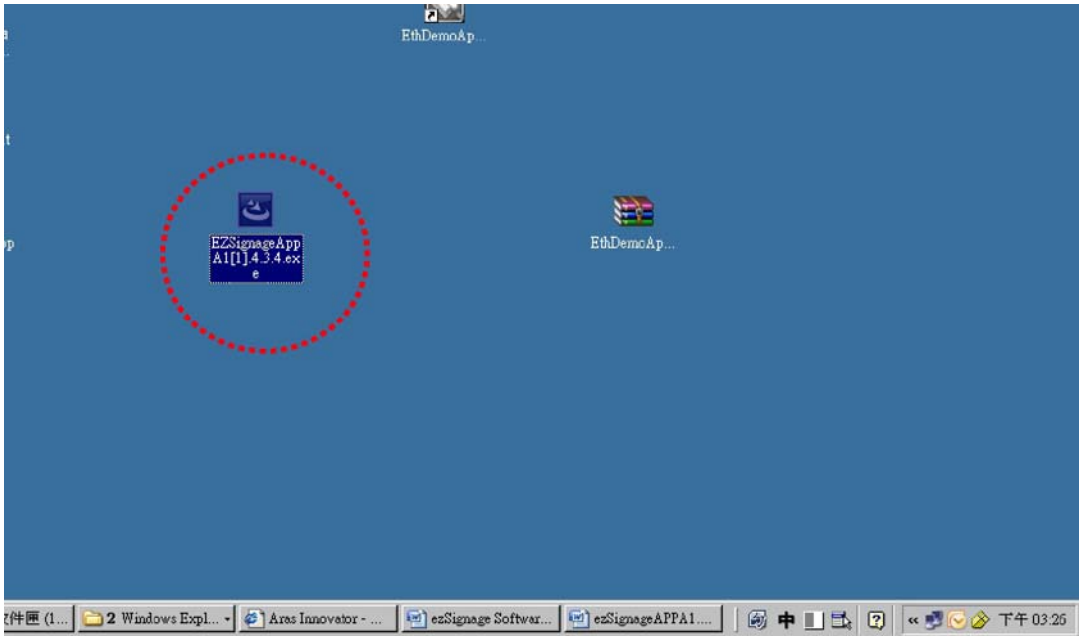


【P.S.】You may also find **ezSignageAPP** as below figure list.

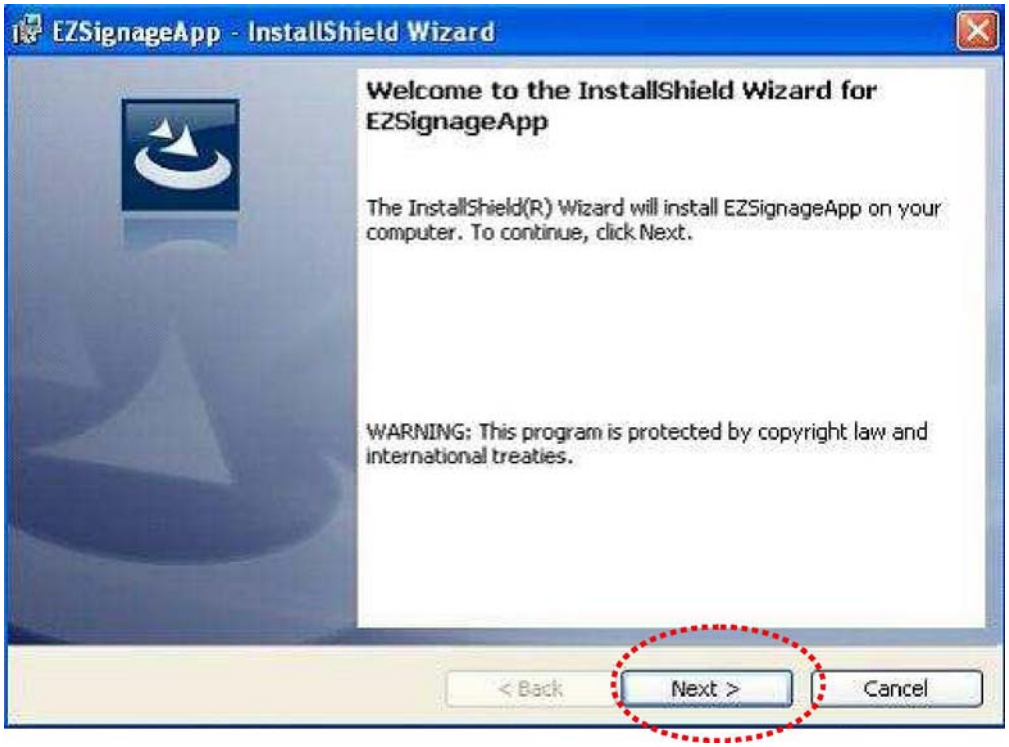


For Windows 7

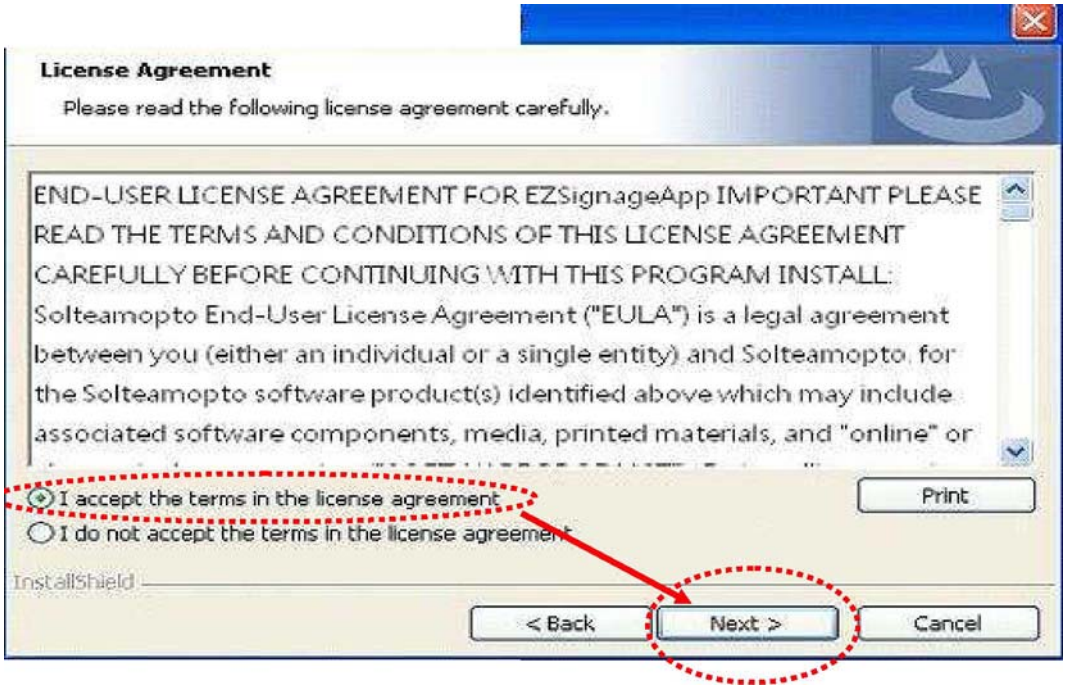
A. Please execute “ezSignageAPPA3.x.x.exe



B. Click NEXT> to install EZSignageAPP


EZSignageApp - InstallShield Wizard
Welcome to the InstallShield Wizard for EZSignageApp
The InstallShield(R) Wizard will install EZSignageApp on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

C. When enter License Agreement dialog, please select I accept the terms in the license agreement then click Next> to next step (as below figure).


License Agreement
Please read the following license agreement carefully.
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Solteamopto End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Solteamopto, for the Solteamopto software product(s) identified above which may include associated software components, media, printed materials, and "online" or
I accept the terms in the license agreement
I do not accept the terms in the license agreement
Print
InstallShield
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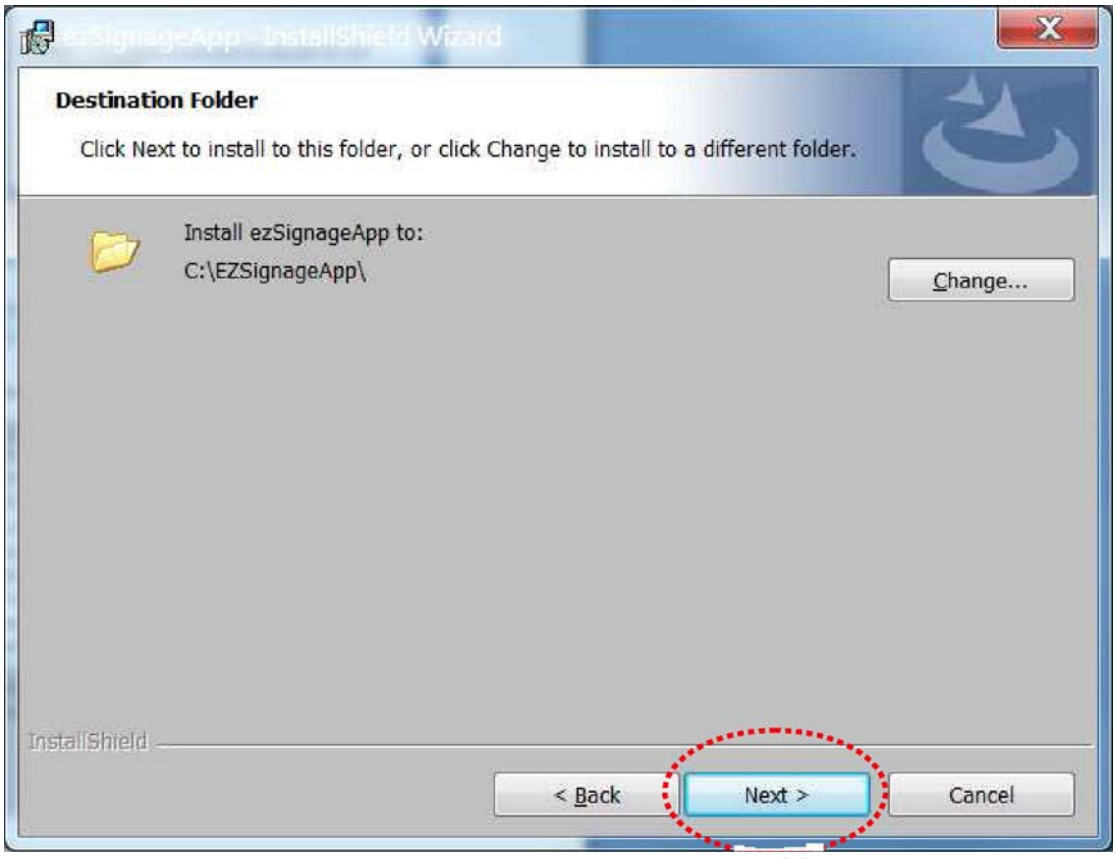
C-1. Then click NEXT> to next step (as below figure).

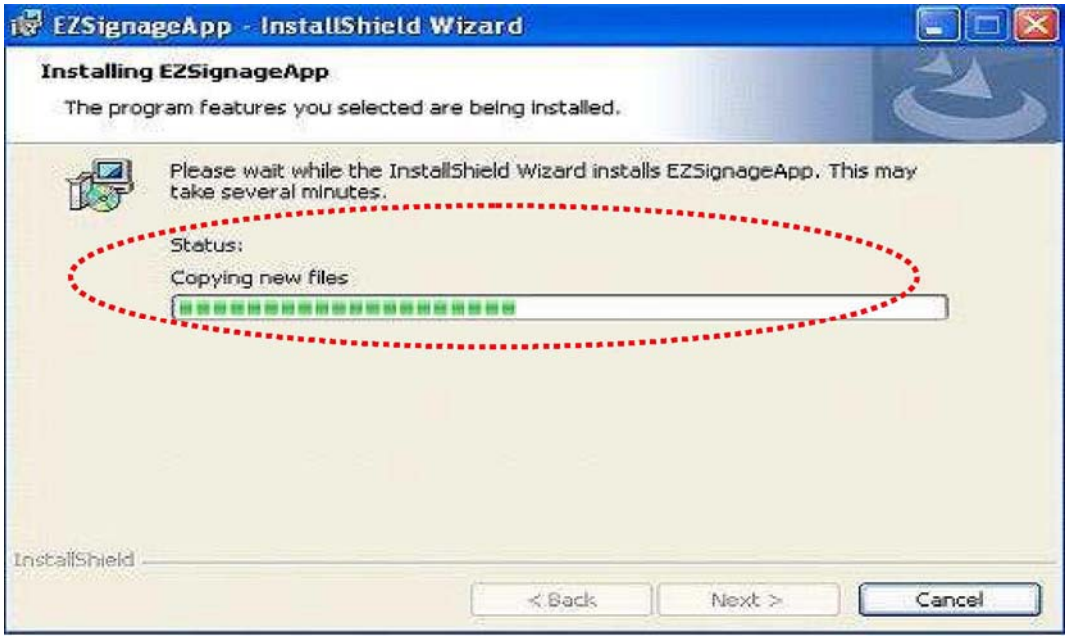


»-m^^

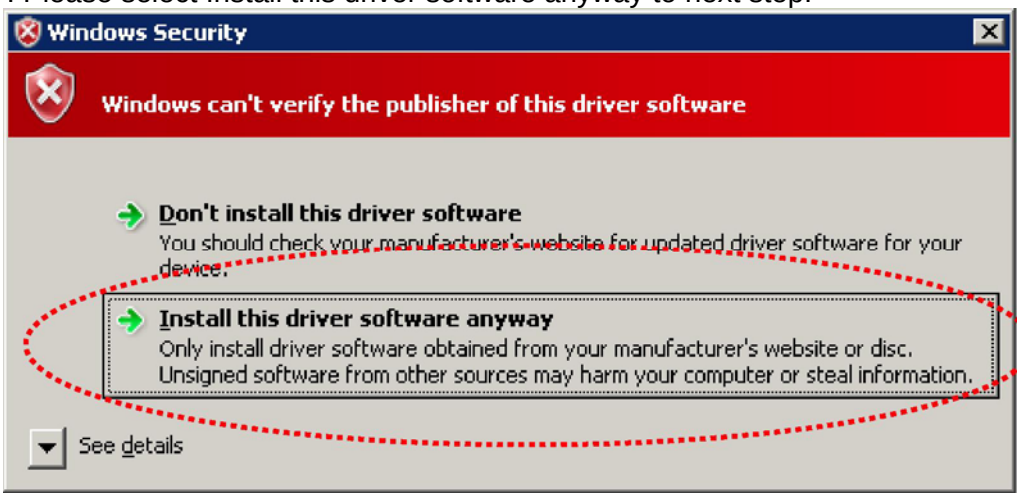
D. When enter Setup Type dialog, please select Typical, then click NEXT> to next step. (as below figure).

EZSignageApp - InstallShield Wizard
Setup Type
Choose the setup type that best suits your needs.
Please select a setup type.
Typical
All program features will be installed. (Requires the most disk space.)
Custom
Choose which program features you want installed and where they will be installed. Recommended for advanced users.
InstallShield
< Back
Next >
Cancel

E. When Ready to Install the Program dialog appeared, please click Install to start software installation.


EZSignageApp - InstallShield Wizard
Installing EZSignageApp
The program features you selected are being installed.
Please wait while the InstallShield Wizard installs EZSignageApp. This may take several minutes.
Status:
Copying new files
InstallShield
< Back
Next >
Cancel

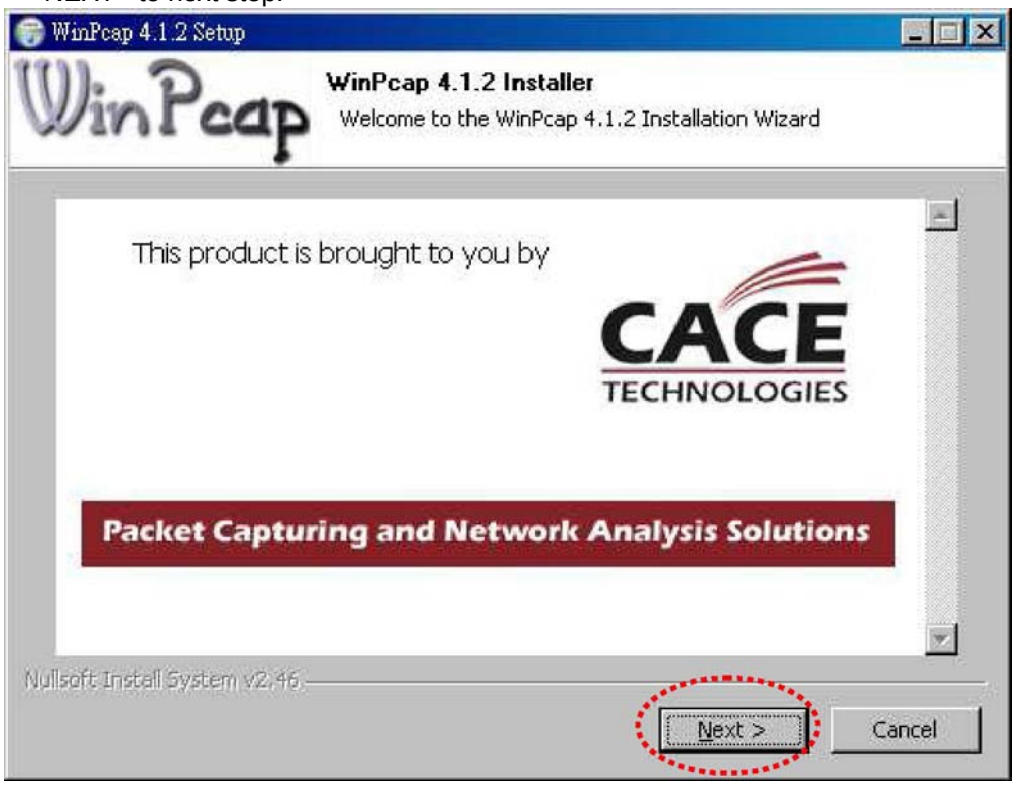
F. Please select Install this driver software anyway to next step.


Windows Security
Windows can't verify the publisher of this driver software
Don't install this driver software
You should check your manufacturer's website for updated driver software for your device.
Install this driver software anyway
Only install driver software obtained from your manufacturer's website or disc. Unsigned software from other sources may harm your computer or steal information.
See details

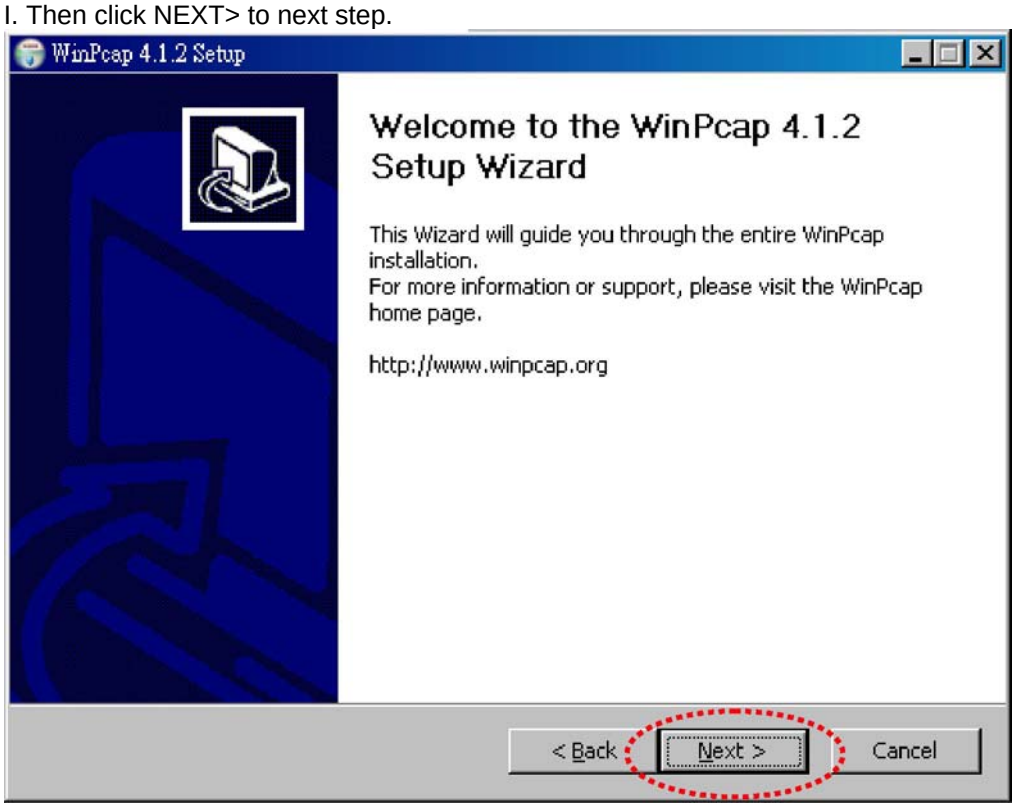
G. Then click **Finish** to finish the installation.

EZSignageApp - InstallShield Wizard
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed EZSignageApp. Click Finish to exit the wizard.
< Back
Finish
Cancel

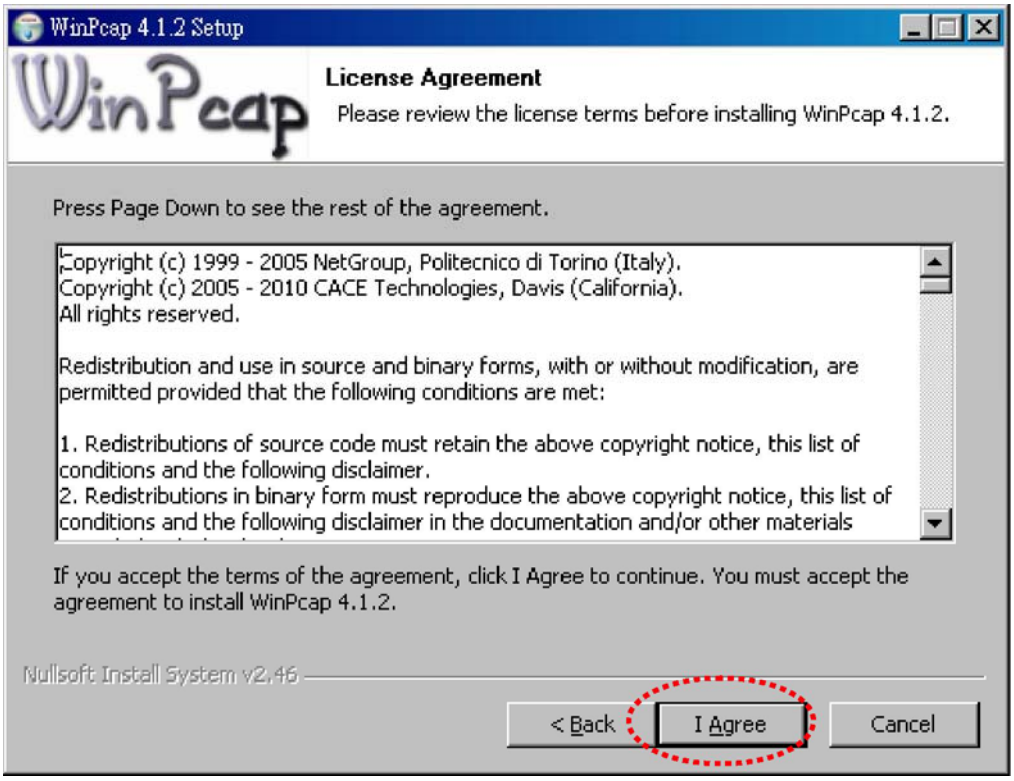
H . After finished the software installation, the WinPcap setup diagram will appeared, please click NEXT> to next step.



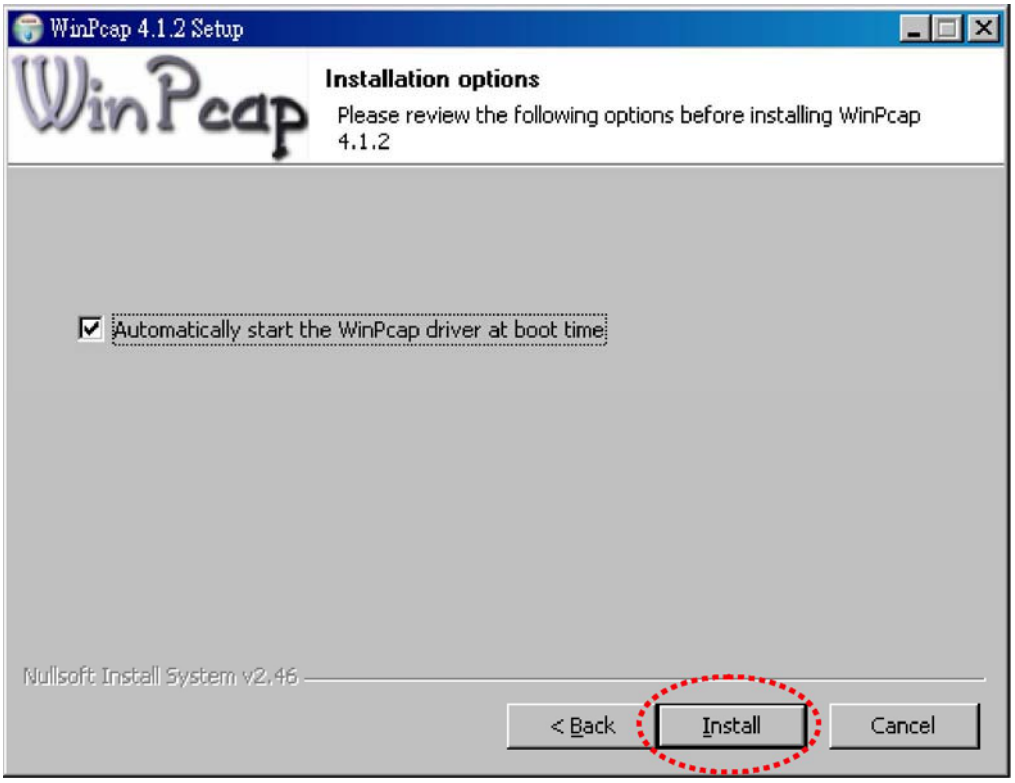
I. Then click NEXT> to next step.


WinPcap 4.1.2 Setup
Welcome to the WinPcap 4.1.2 Setup Wizard
This Wizard will guide you through the entire WinPcap installation.
For more information or support, please visit the WinPcap home page.
http://www.winpcap.org
< Back
Next >
Cancel

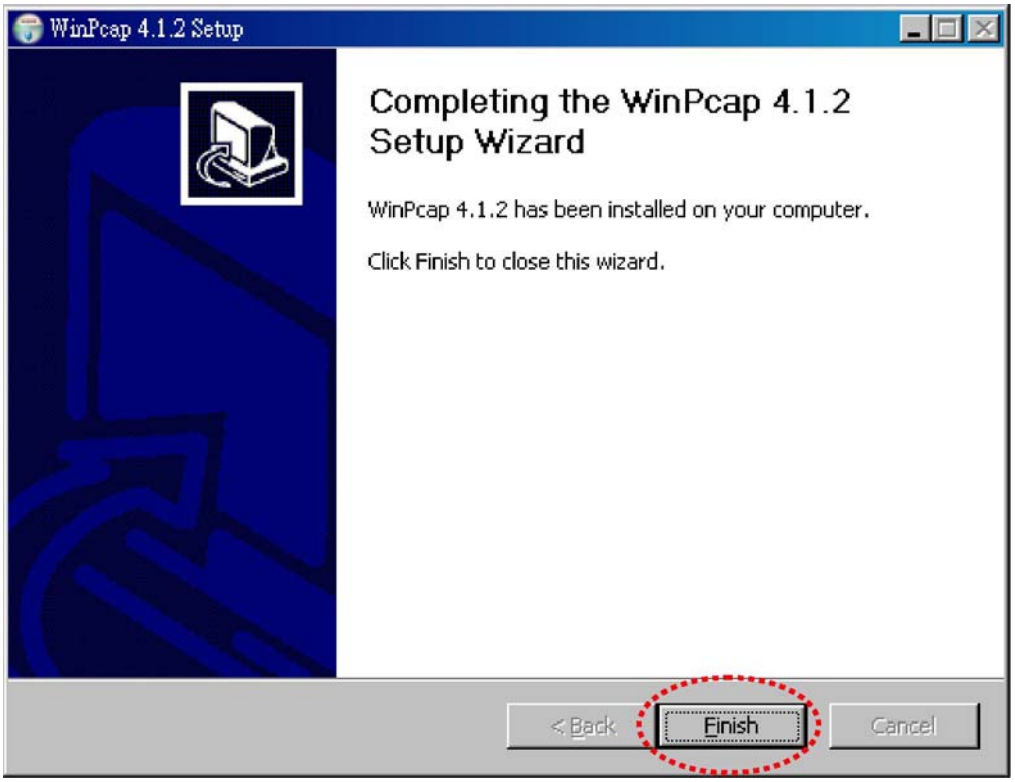
J. When enter License Agreement dialog, please click I Agree to next step.


WinPcap 4.1.2 Setup
WinPcap
License Agreement
Please review the license terms before installing WinPcap 4.1.2.
Press Page Down to see the rest of the agreement.
Copyright (c) 1999 - 2005 NetGroup, Politecnico di Torino (Italy).
Copyright (c) 2005 - 2010 CACE Technologies, Davis (California).
All rights reserved.
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install WinPcap 4.1.2.
Nullsoft Install System v2.46
< Back
I Agree
Cancel

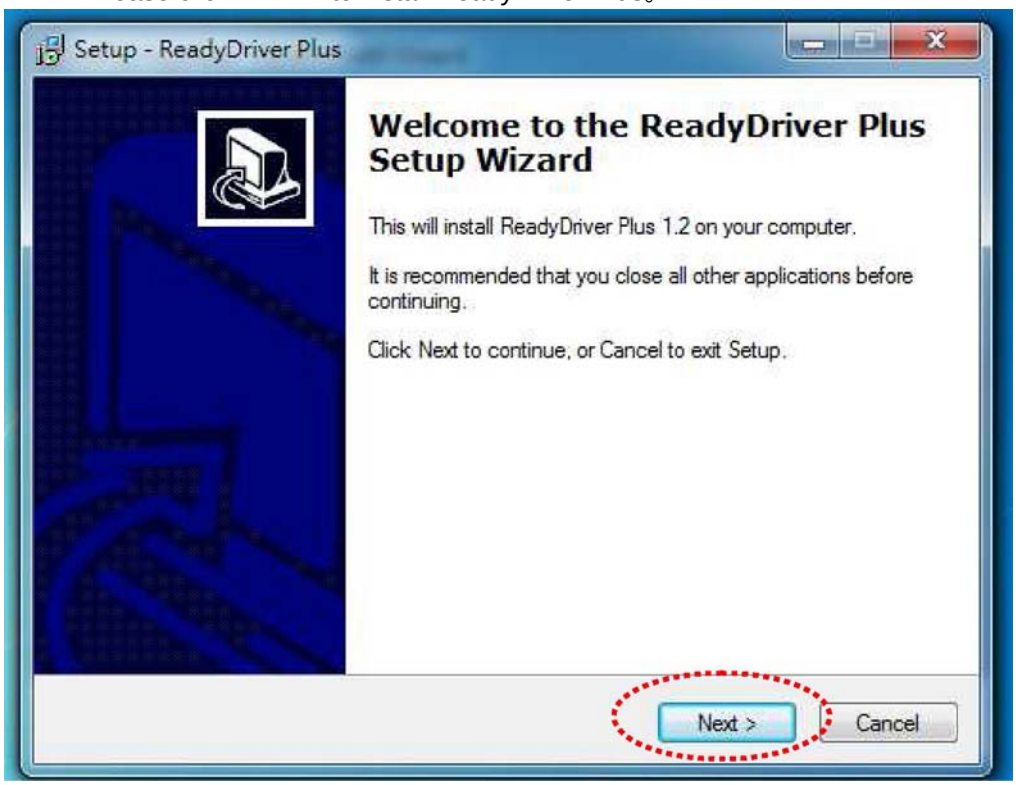
K. Please click Install to start installation.



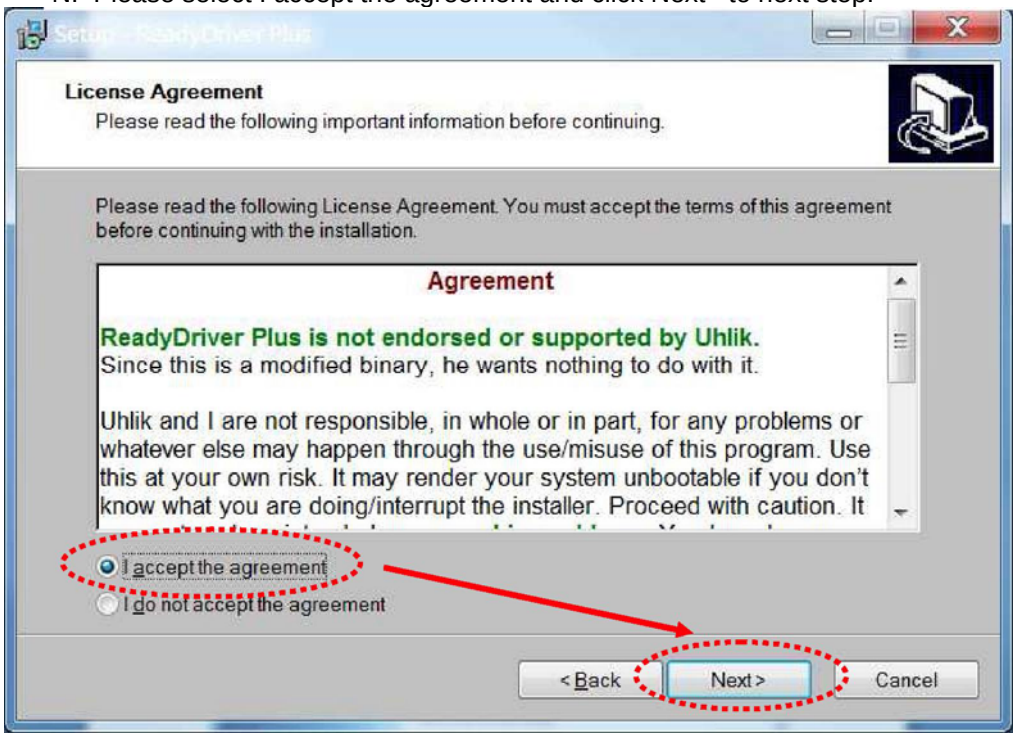
L. Please click **Finish** to finish the installation.



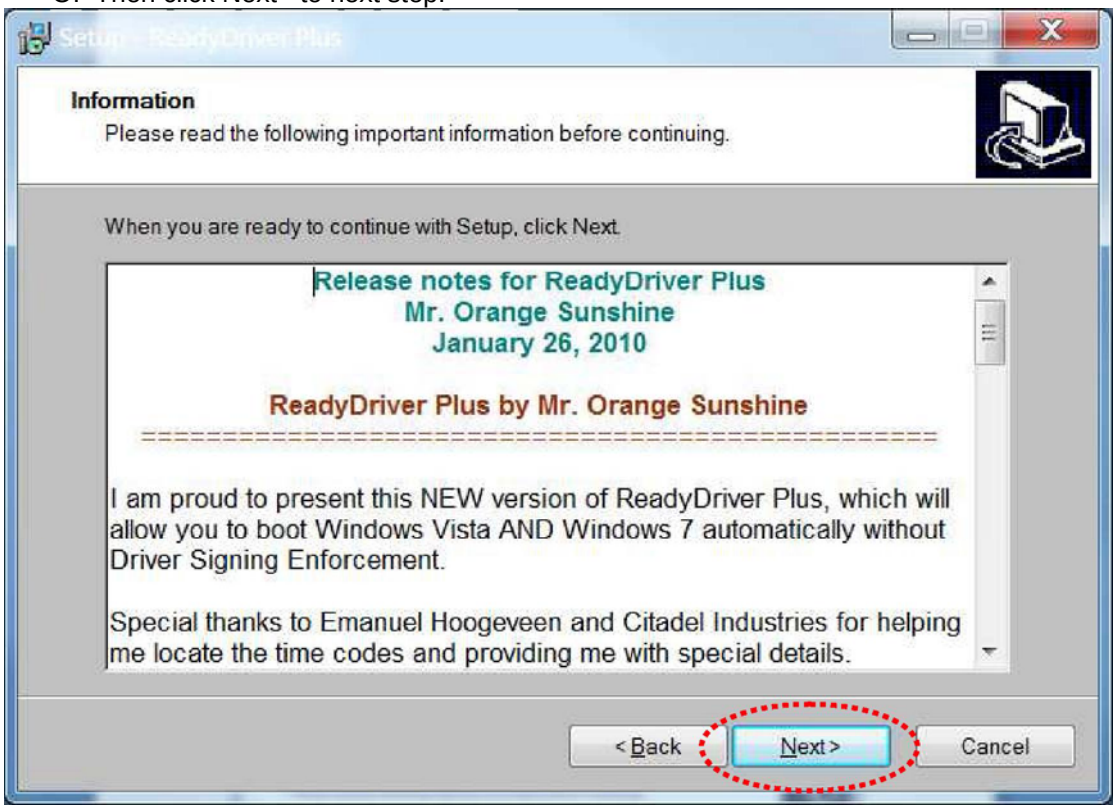
M. Please click **NEXT>** to install ReadyDriver Plus。


Setup - ReadyDriver Plus
Welcome to the ReadyDriver Plus Setup Wizard
This will install ReadyDriver Plus 1.2 on your computer.
It is recommended that you close all other applications before continuing.
Click Next to continue, or Cancel to exit Setup.
Next >
Cancel

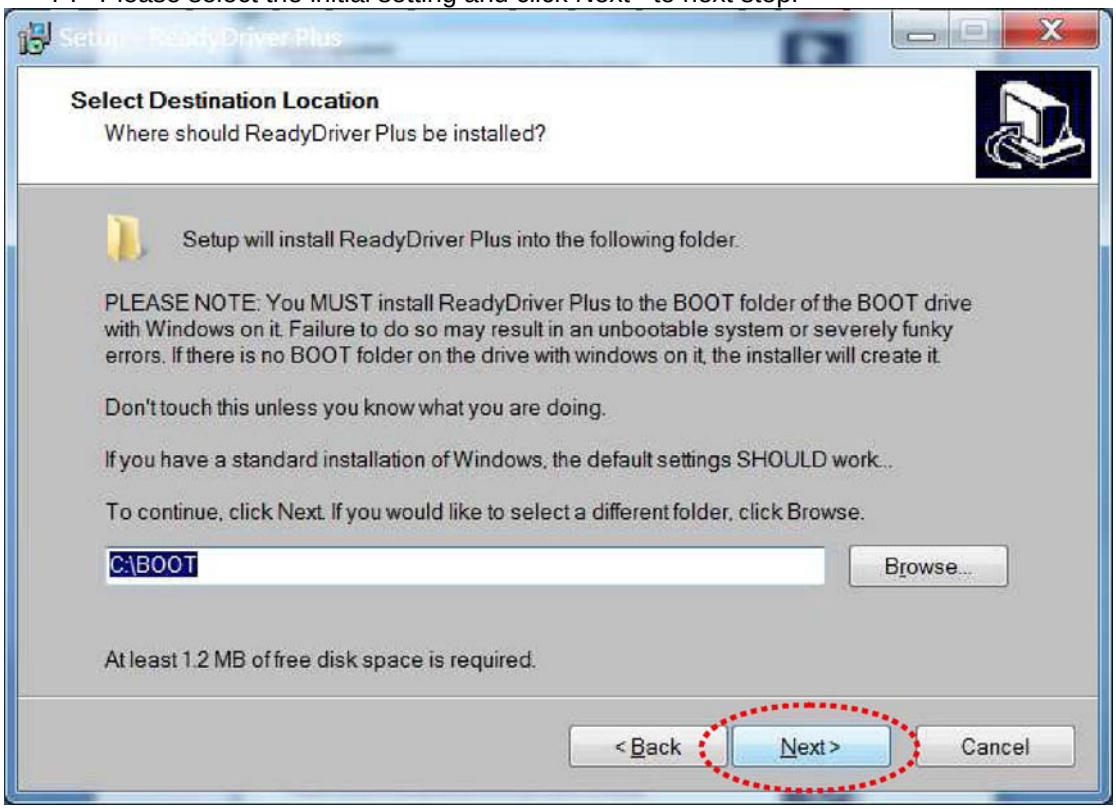
N. Please select I accept the agreement and click Next> to next step.


License Agreement
Please read the following important information before continuing.
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.
Agreement
ReadyDriver Plus is not endorsed or supported by Uhlik.
Since this is a modified binary, he wants nothing to do with it.
Uhlik and I are not responsible, in whole or in part, for any problems or whatever else may happen through the use/misuse of this program. Use this at your own risk. It may render your system unbootable if you don't know what you are doing/interrupt the installer. Proceed with caution. It
I accept the agreement
I do not accept the agreement
< Back
Next >
Cancel

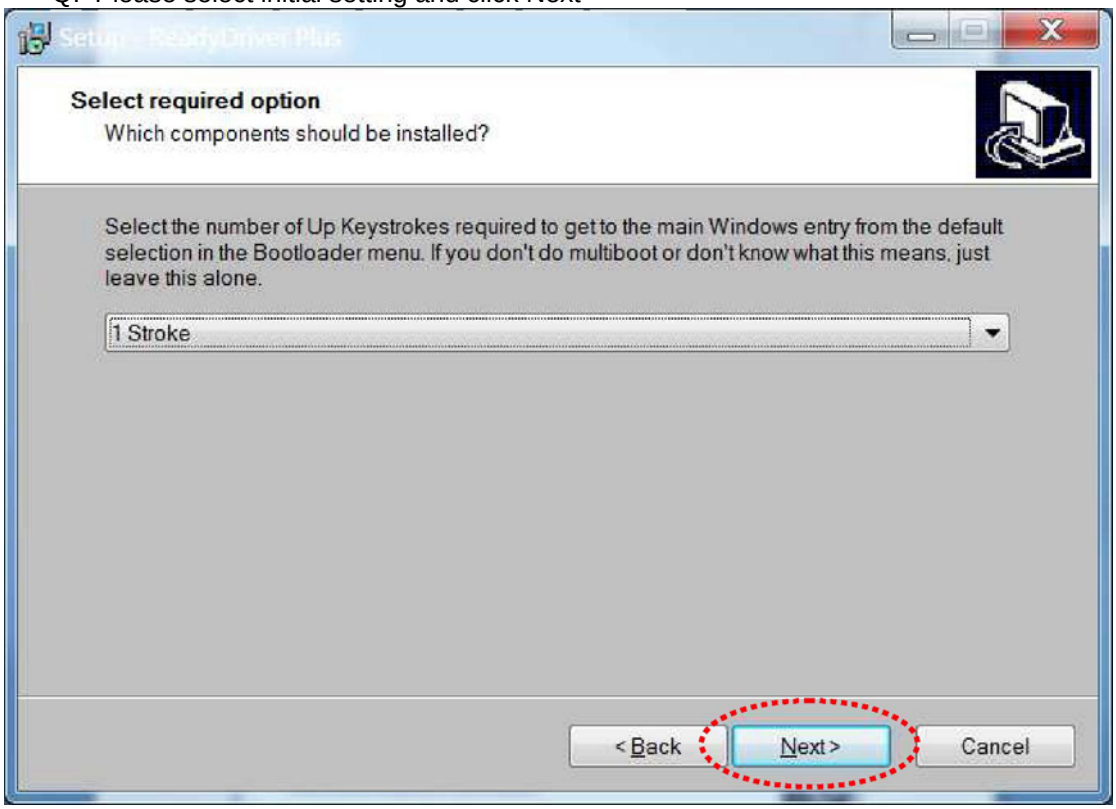
O. Then click Next> to next step.


Information
Please read the following important information before continuing.
When you are ready to continue with Setup, click Next.
Release notes for ReadyDriver Plus
Mr. Orange Sunshine
January 26, 2010
ReadyDriver Plus by Mr. Orange Sunshine
I am proud to present this NEW version of ReadyDriver Plus, which will allow you to boot Windows Vista AND Windows 7 automatically without Driver Signing Enforcement.
Special thanks to Emanuel Hoogeveen and Citadel Industries for helping me locate the time codes and providing me with special details.
< Back
Next >
Cancel

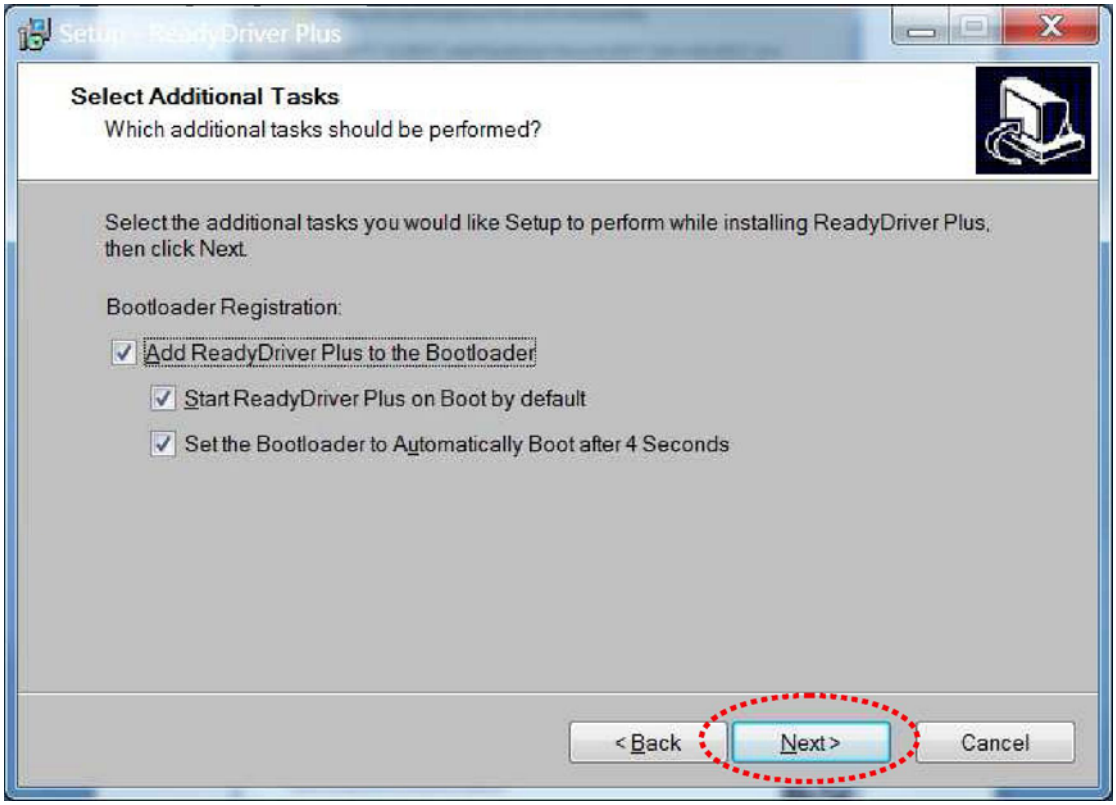
P. Please select the initial setting and click Next> to next step.


Select Destination Location
Where should ReadyDriver Plus be installed?
Setup will install ReadyDriver Plus into the following folder.
PLEASE NOTE: You MUST install ReadyDriver Plus to the BOOT folder of the BOOT drive with Windows on it. Failure to do so may result in an unbootable system or severely funky errors. If there is no BOOT folder on the drive with windows on it, the installer will create it.
Don't touch this unless you know what you are doing.
If you have a standard installation of Windows, the default settings SHOULD work...
To continue, click Next. If you would like to select a different folder, click Browse.
C:\BOOT
Browse...
At least 1.2 MB of free disk space is required.
< Back
Next >
Cancel

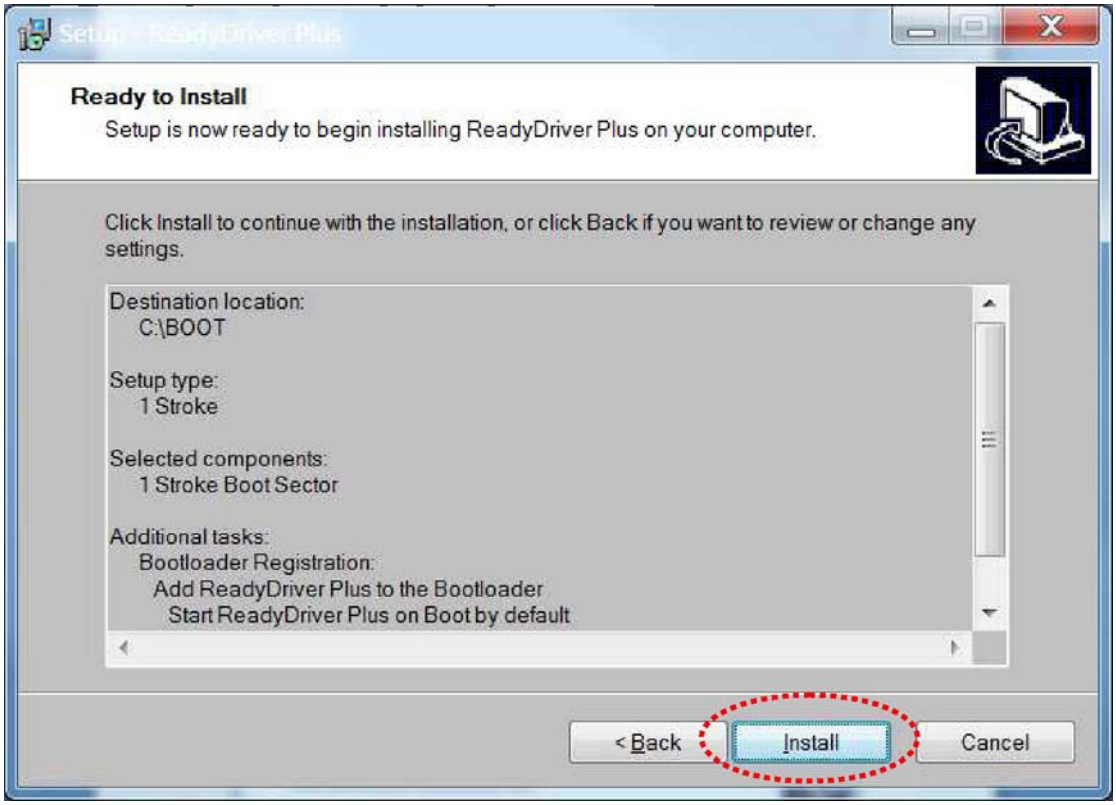
Q. Please select initial setting and click Next>


Select required option
Which components should be installed?
Select the number of Up Keystrokes required to get to the main Windows entry from the default selection in the Bootloader menu. If you don't do multiboot or don't know what this means, just leave this alone.
1 Stroke
< Back
Next >
Cancel

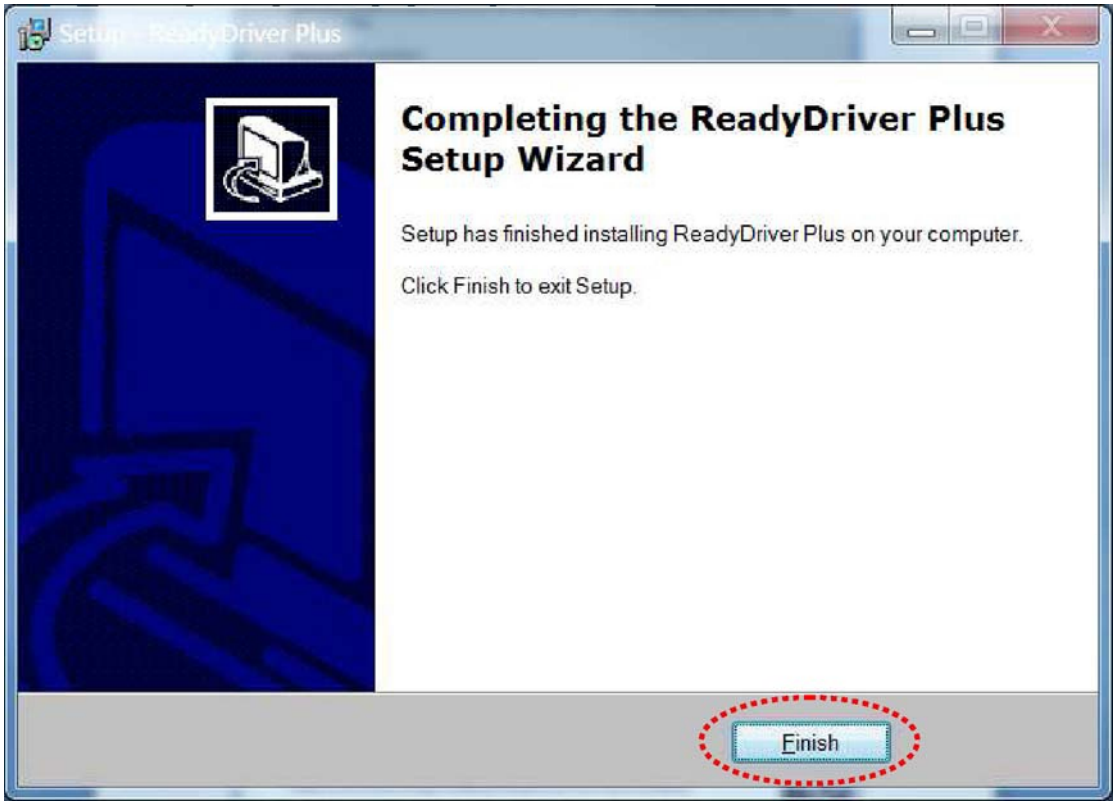
R. Please click Next>.


Select Additional Tasks
Which additional tasks should be performed?
Select the additional tasks you would like Setup to perform while installing ReadyDriver Plus, then click Next.
Bootloader Registration:
Add ReadyDriver Plus to the Bootloader
Start ReadyDriver Plus on Boot by default
Set the Bootloader to Automatically Boot after 4 Seconds
< Back
Next >
Cancel

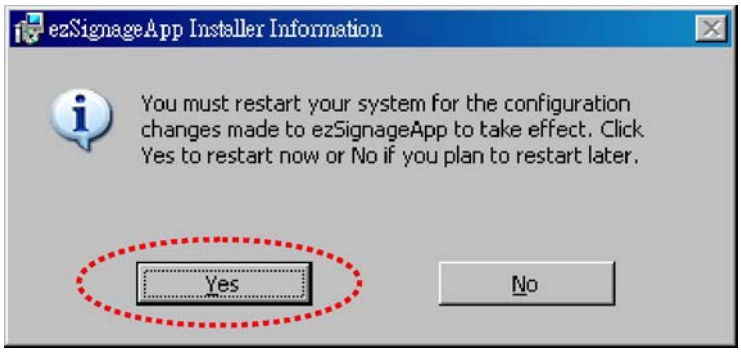
S. Please select Install to start installation.


Setup - ReadyDriver Plus
Ready to Install
Setup is now ready to begin installing ReadyDriver Plus on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
C:\BOOT
Setup type:
1 Stroke
Selected components:
1 Stroke Boot Sector
Additional tasks:
Bootloader Registration:
Add ReadyDriver Plus to the Bootloader
Start ReadyDriver Plus on Boot by default
< Back
Install
Cancel

T. Please select Finish to finish installation.


Setup - ReadyDriver Plus
Completing the ReadyDriver Plus Setup Wizard
Setup has finished installing ReadyDriver Plus on your computer.
Click Finish to exit Setup.
Finish

U. Please select Yes to restart.


ezSignageApp Installer Information
You must restart your system for the configuration changes made to ezSignageApp to take effect. Click Yes to restart now or No if you plan to restart later.
Yes
No

V .You will find ezSignageApp shortcut on desktop when you restart the PC.

5.4. Please execute **ezSignageAPP** short cut

The introduction and function of ezSignageAPP are:

Project Manager : The function of **Project Manager** is using for adding, editing, deleting, importing, exporting projects or download projects to SLED.

Network Setting : The function is used for searching SLED or download contents to SLED by Ethernet.
【Remark】The function is only available for connecting Sbravo's remote control system.

Panel Config : Display signage information. Such as Firmware version, brightness and re-set default setting…etc.

Manager Mode : The function is only for LED panel manager for setting LED screen.

To display the connection status between SLED and PC. If this Icon is green color which means the SLED connects with PC properly. If it's grey color which means SLED didn't connect with PC, or connection is improperly.

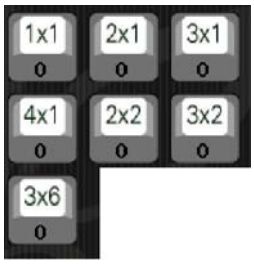
Display the connection status between SLED and remote control system. If icon is orange color which means the connection between SLED and remote control system is properly.

If connection is improperly the icon will be grey color.
[Remark] The function is invalid if without connecting Sbravo's remote control system.

Information about iTechLCD and software version.

Display all .bin files which saved to SLED.

Stop playing .bin file.



Display the model number and quantity which connect with PC.

For example,

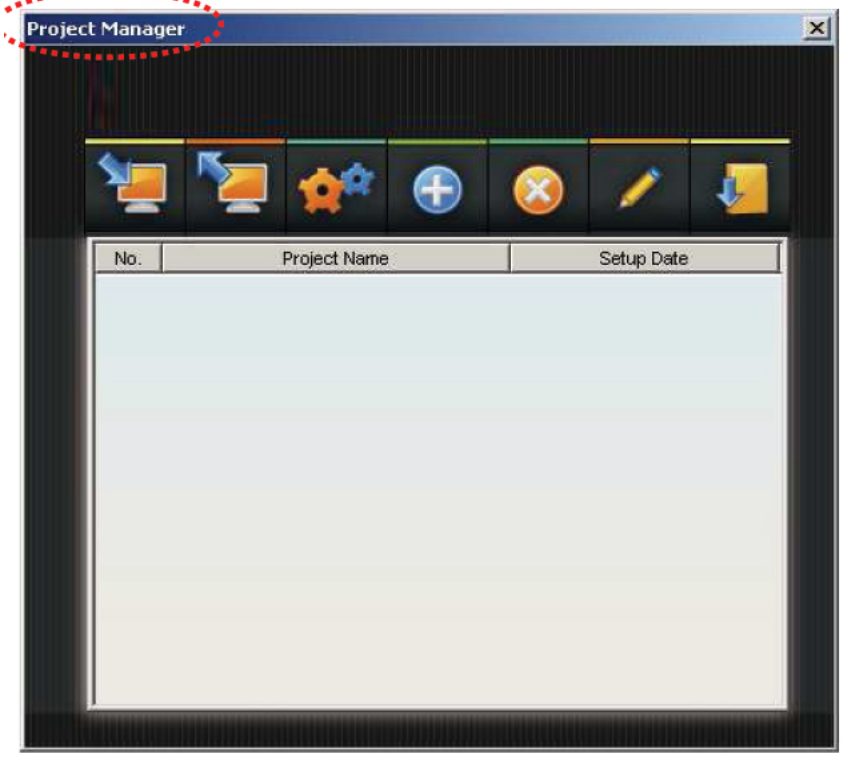
which means there is one model 1x1 (SLED6448F-6) connects with PC. The green “1” means the signage quantity which connects with PC.

6. Software Operation

6.1. Create one project

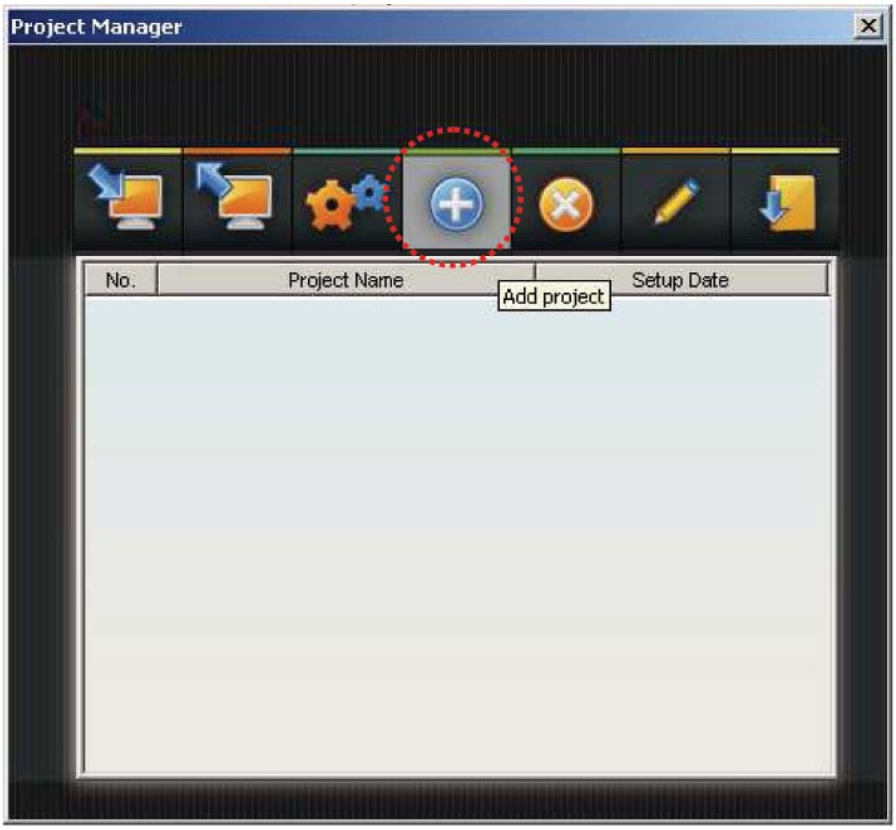
Please connect SLED with PC firstly, then click the shortcut of ezSignageAPP to enter the main menu.

Please click **“Project Manager”** icon to enter **Project Manager dialog** to edit files.

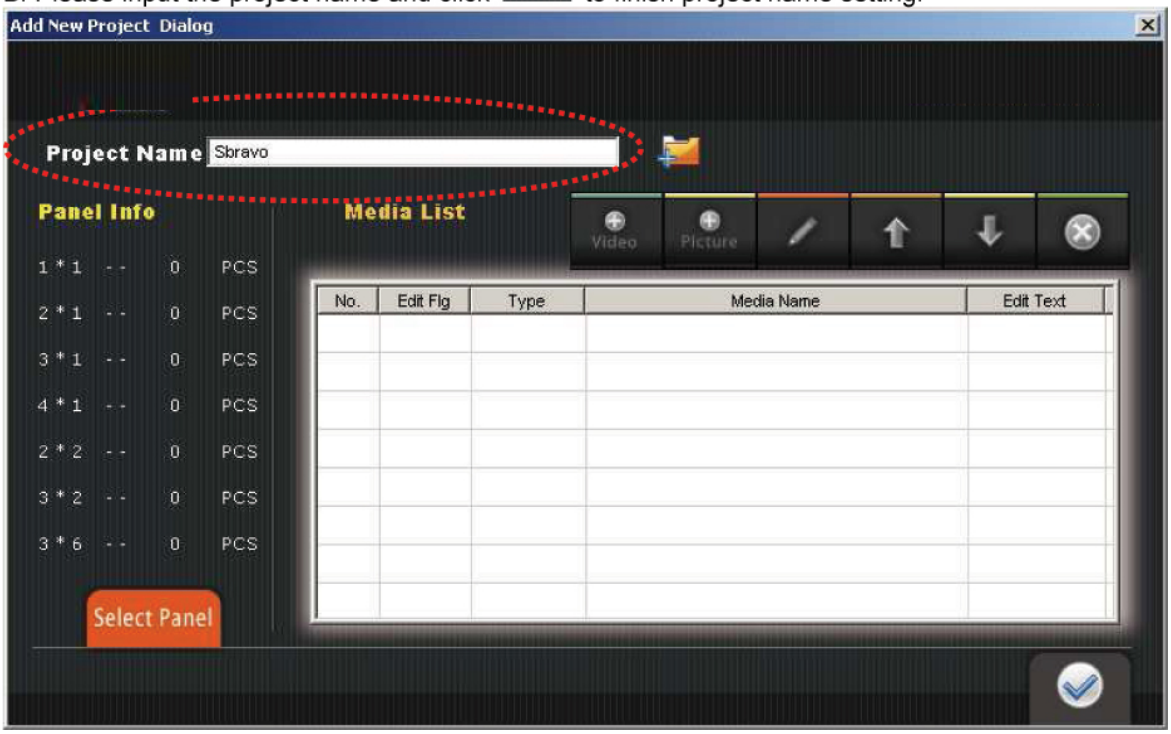


6.1.1. Add one Project

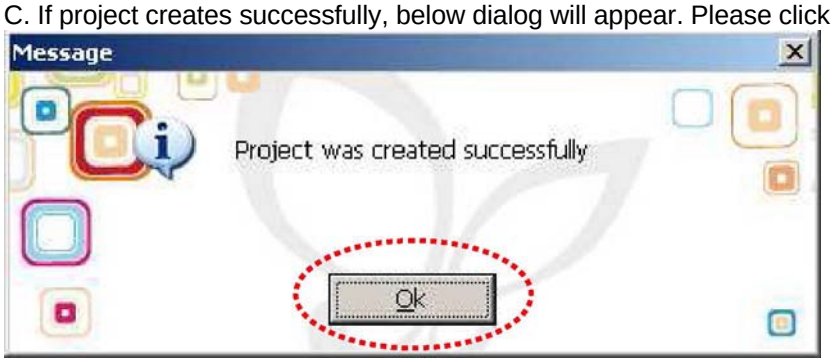
A. Please click to add project



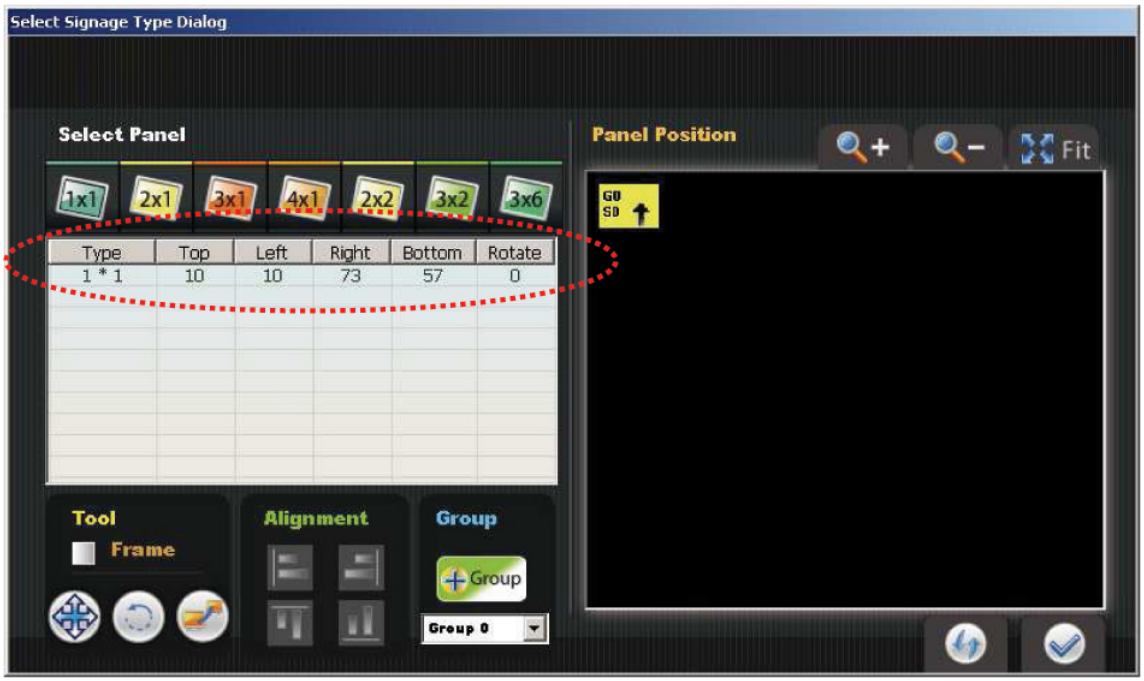
B. Please input the project name and click to finish project name setting.

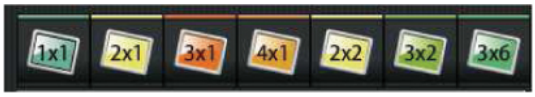


C. If project creates successfully, below dialog will appear. Please click **OK** to next step.

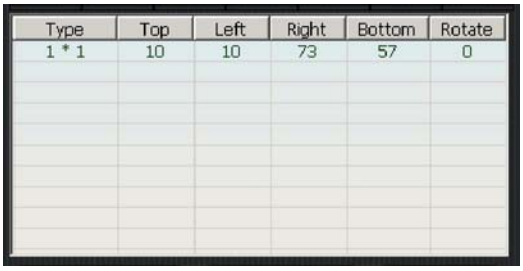


D. After click OK, the **Select Signage Type Dialog** will appear (as below figure). The signage model number and quantity which connect with PC will be showed on this dialog. For example, below figure means there is one 1x1 which connects with PC. You may edit the file when SLED connects with PC. As the relevant function introduction as follows.





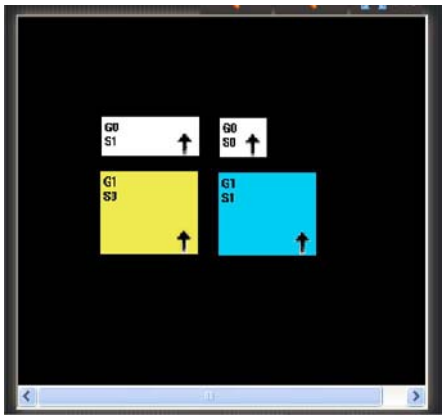
Select the model number that you plan to display.



SLED setting information.

Zoom in Zoom out

Zoom all



Signage Location setting

G0: Same Group,**G1**: Another Group

S0：Master LED screen

S1：Slaver LED Screen

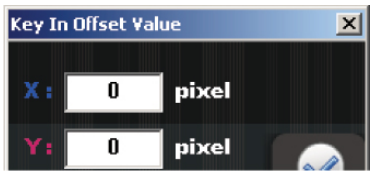
Yellow area：Current editing LED Signage

↑Upward Arrow：The text scroller texts are facing front.

↓Downward Arrow：The text scroller texts are facing opposite, like specular reflection.

When you click the icon of **Frame** (as left figure), the signage frame which showed on **Panel Position** will be marked in Green color. The signage won't overlap with the others signage if you click the **Frame** icon.

Key In Offset Value : Adjust the ezSigange location by key in the offset value on both X and Y axles.



Rotate Panel : You my rotate the LED signage by this icon.

Set the all order panel: Set the connection priority for all SLED.

Alignment

- Long-press “shift” button and select all signage to set all signage as a group to move them at same time. **>**
- All signage play the same media **:** Overlap all signage on **Panel Position.**

: Align signage against leftward：Long-press “shift” button and select the signage which should be alignment. The position of 1st signage will be the aimed for all signage that you selected.

: Align signage against upward：Long-press “shift” button and select the signage which should be alignment. The position of signage will be the aimed for all signage that you selected.

: Align signage against rightward： Long-press “shift” button and select the signage which should be alignment. The position of 1st signage will be the aimed for all signage that you selected.

: Align signage against downward：Long-press “shift” button and select the signage which should be alignment. The position of 1st signage will be the aimed for all signage that you selected.

Add a Group : The function is setting several signage as a group for synchronization function.

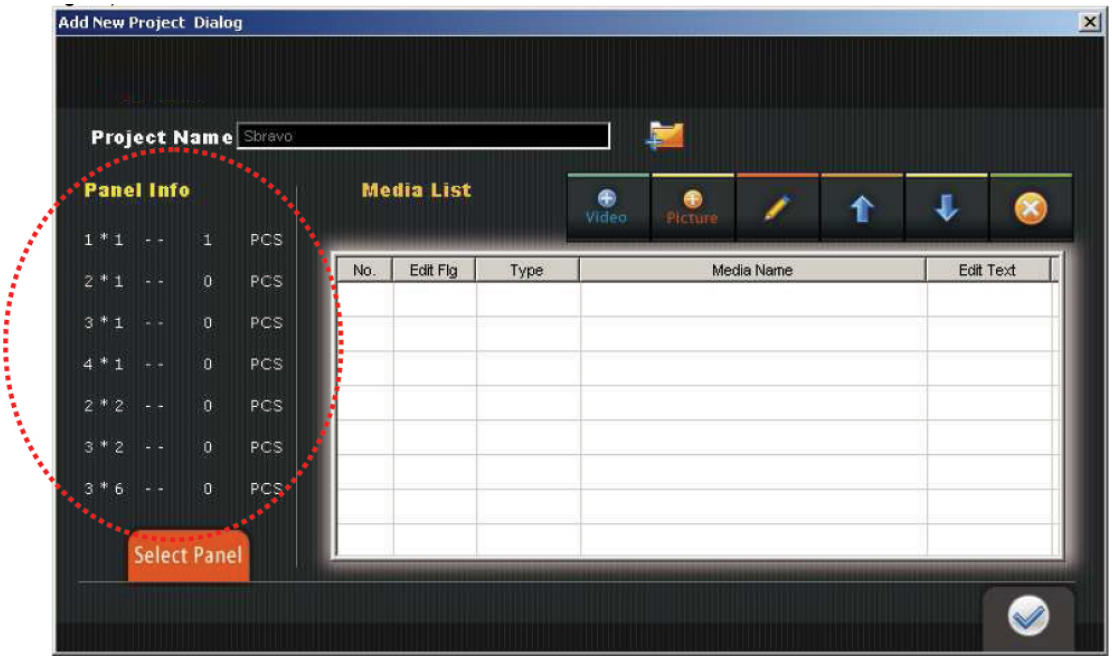
Clear all signage quantity setting.

Quit the dialog after edited and saved the contents.

6.1.2. Edit media file (both video and picture)

Please select SLED model and make sure the signage connects PC before edit media file.

You may find the model number and quantity that you plan to connect with pc on **Panel Info** (as below figure).



Add Video

Add Picture

Edit Media

Increase Media Playback Order

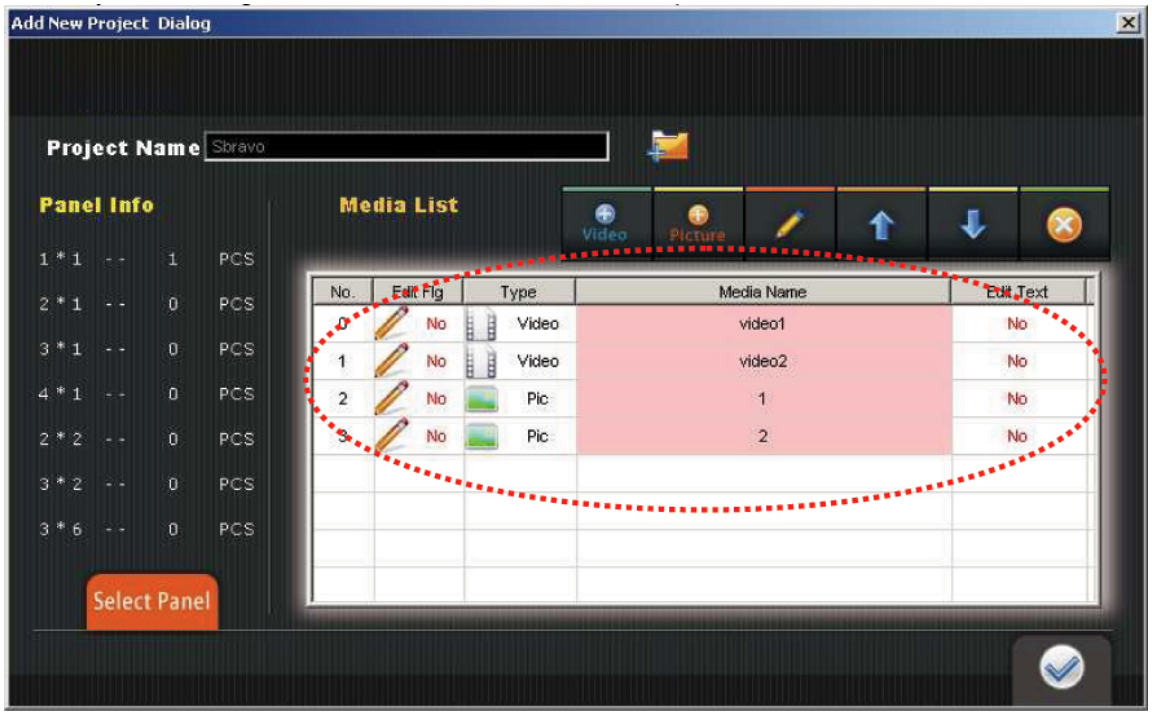
Decrease Media Playback Order

Delete Media

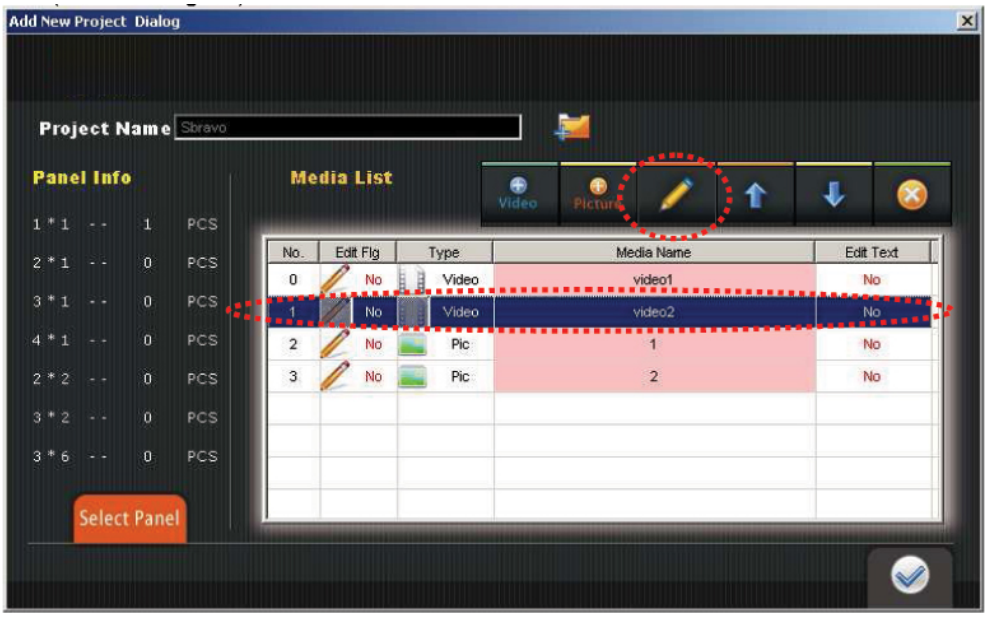
OK: Confirmation

6.1.2.1 Edit Media file

A. You may start editing media file after added video file or picture.

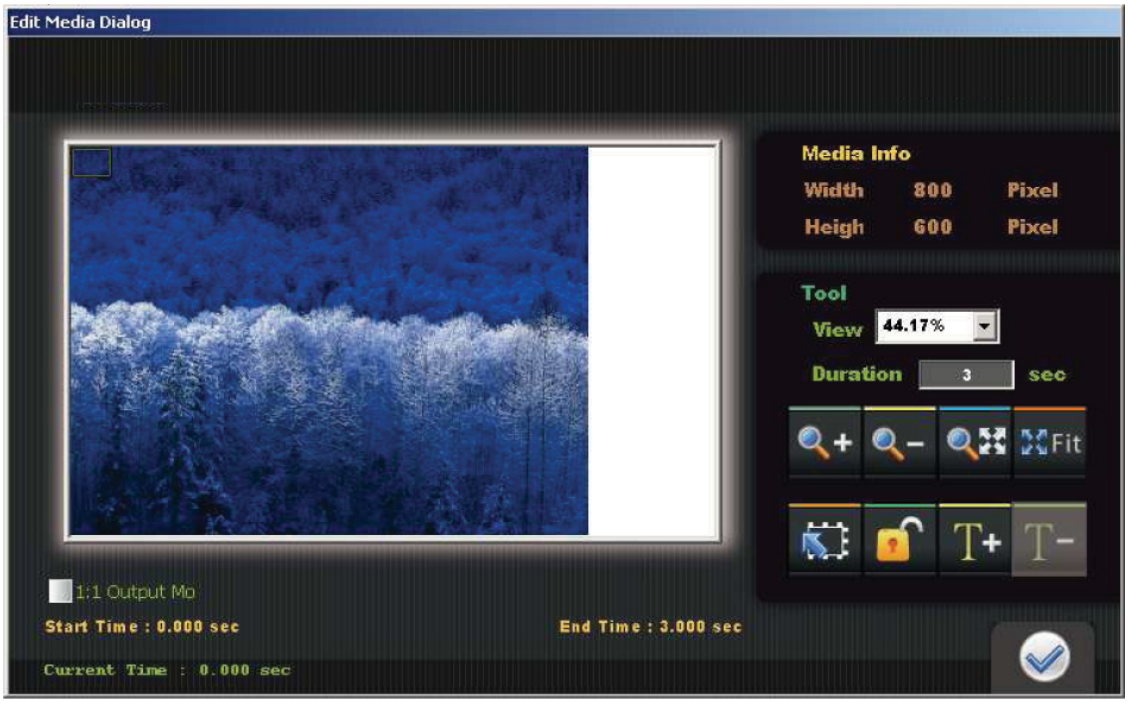


B. Please select the video or picture that you plan to edit, then click to enter **Edit Media Dialog** (as below figure).


Add New Project Dialog
Project Name
Sbravo
Panel Info
Media List
Video
Picture
1 * 1 -- 1 PCS
2 * 1 -- 0 PCS
3 * 1 -- 0 PCS
4 * 1 -- 0 PCS
2 * 2 -- 0 PCS
3 * 2 -- 0 PCS
3 * 6 -- 0 PCS
Select Panel
No. Edit Flg Type Media Name Edit Text
0 No Video video1 No
1 No Video video2 No
2 No Pic 1 No
3 No Pic 2 No

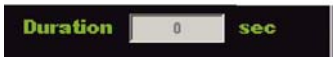
C. When enter **Edit Media Dialog**, you may start editing, as the relevant function introduction as follows: a) Edit Video

b) Edit Picture



Media Info : Display the resolution of media file.

View : Display the ratio for current playing video file.



Duration：Set the playing time for picture. (The function didn't support Video file).

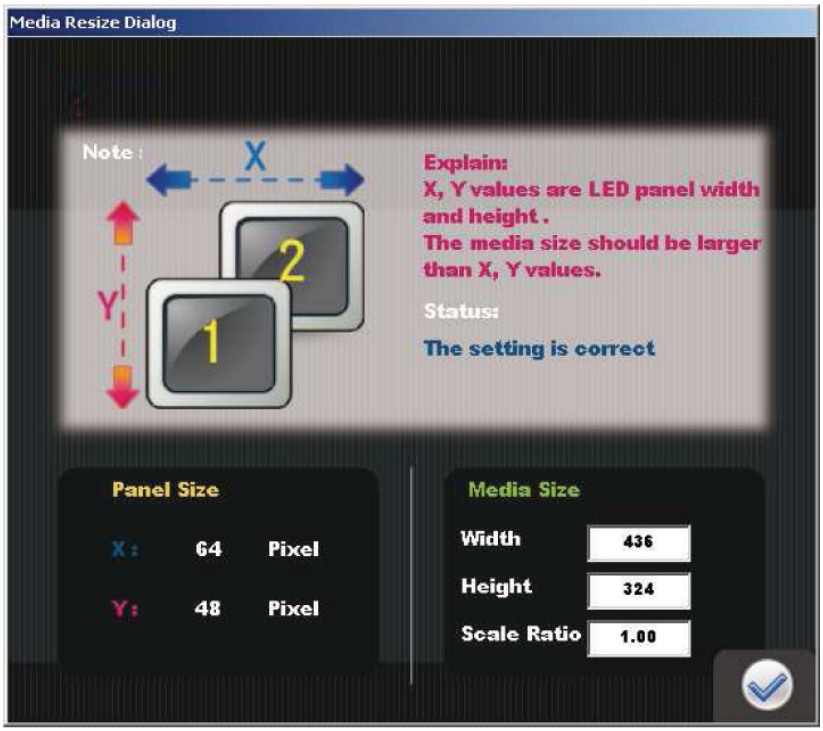
Zoom in

Zoom out

Zoom all

Fit Medai size to LED Panel

Adjust size of media : Below figure appears when click the icon of Adjust size of media. The Media size has to be bigger than Pane Size (value of X, Y axles), please click **Enter** button after the value setting.



Unlock Media: Click this icon before your editing. (The original text scoller will be Deleted when click this icon.)

Display the start playing time and ending playing time. You may drag the time bar to the point that you'd like to display. (The function only for Video file)

Playing (Only for Video file)

Stop (Only for Video file)

Pause (Only for Video file)

Upload the picture resolution based on the radio of 1:1 to the LED signage. (This function is only available for picture file, which cannot support Video file.)

【Remark】The function will be disable if you already excute

(fit media size to the panel), or (adjust size of media file).

Create Text Scroller : Edit Text Scoller dialog will appear when click this icon (as below). More function will be introduced at **6.1.2.2**

Clear Text scroller

OK: Save all the setting and exit the dialog.

6.1.2.2 Edit Text Scoller

Display the ratio of Current video file

Zoom in

Zoom out

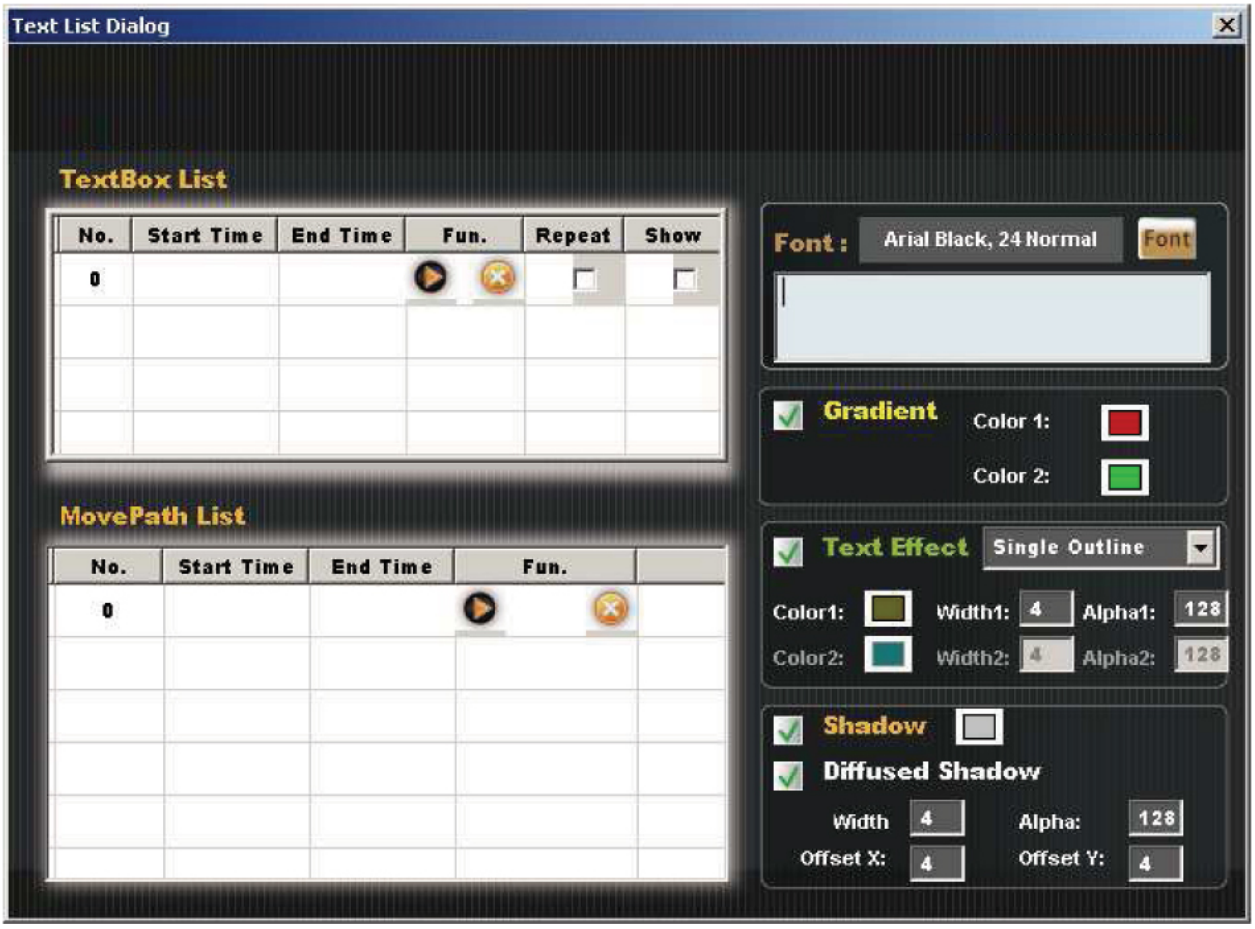
Zoom all

Display all the texts

Unlock media file

OK：Save all the setting and exit the dialog.

Add TextBox: The **TextBox List** dialog will appear when click this icon. The relevant functions introduction as follows:



You may type the texts that you'd like to display on this area.

You may set the font by the **Font** function key (as left figure)

Select the text gradient by **Gradient** function key (as left figure).

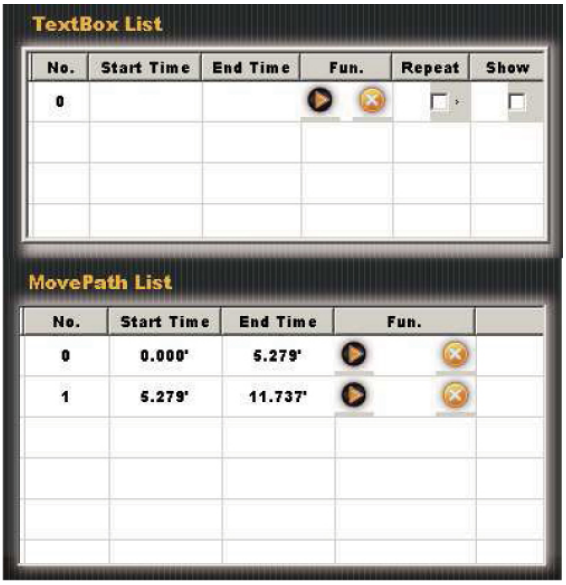
You may set Text Effect, such as fonts outline color, thickness by the **Text Effect** function key. (as left side figure).

Set the shadow effect, diffused shadow by the left side function key.

Width：The shadow thickness;

Alpha：Set the transparent for the shadow effect.

Offset X/ Y : Shadow location.



No. : Assign the number to text scroller

Start Time : Start playing time

End Time : End playing time

: Play the text scroller

: Delete the text scroller

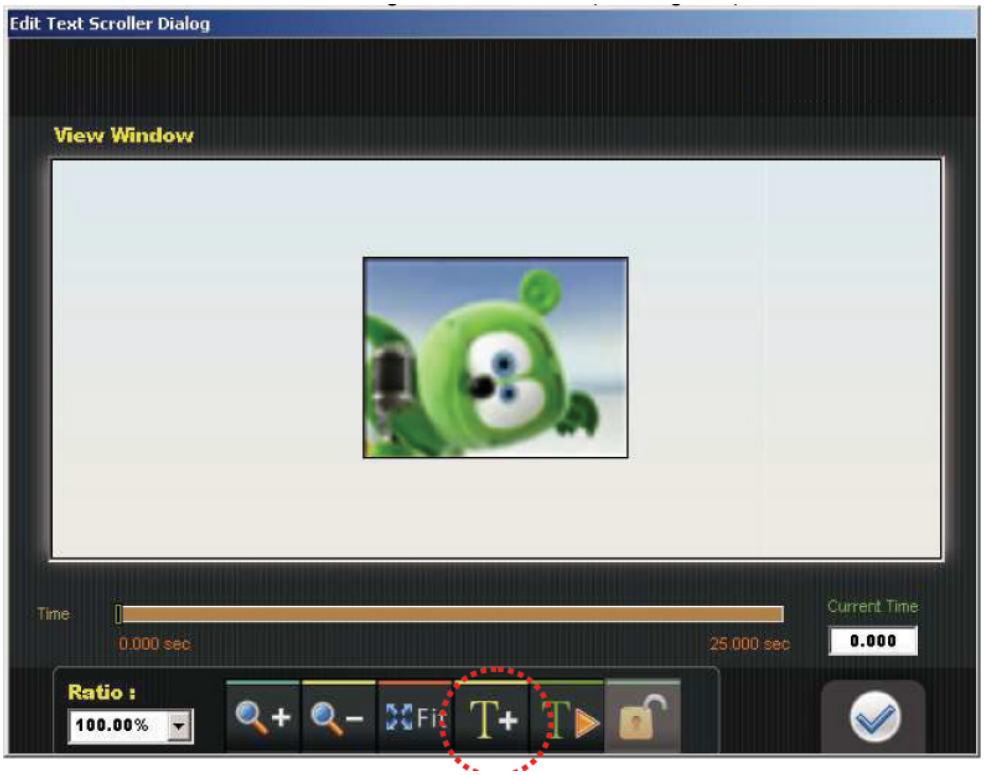
Repeat : Repeat the text scroller

Show : Please click this icon to avoid overlapped by two text scrollers.

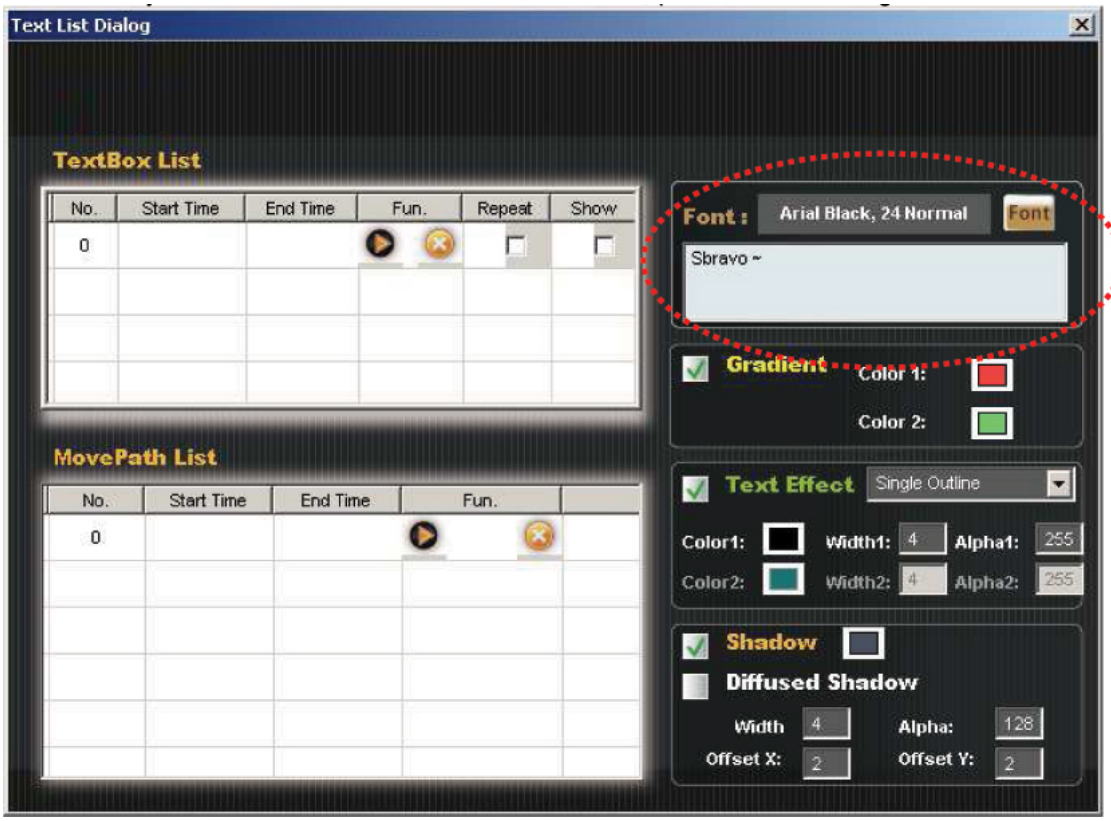
■ **Example**

A. When enter **Edit Media Dialog**, please click to enter the **View Window**.

B. Please click to start editing the text scroller (running text).

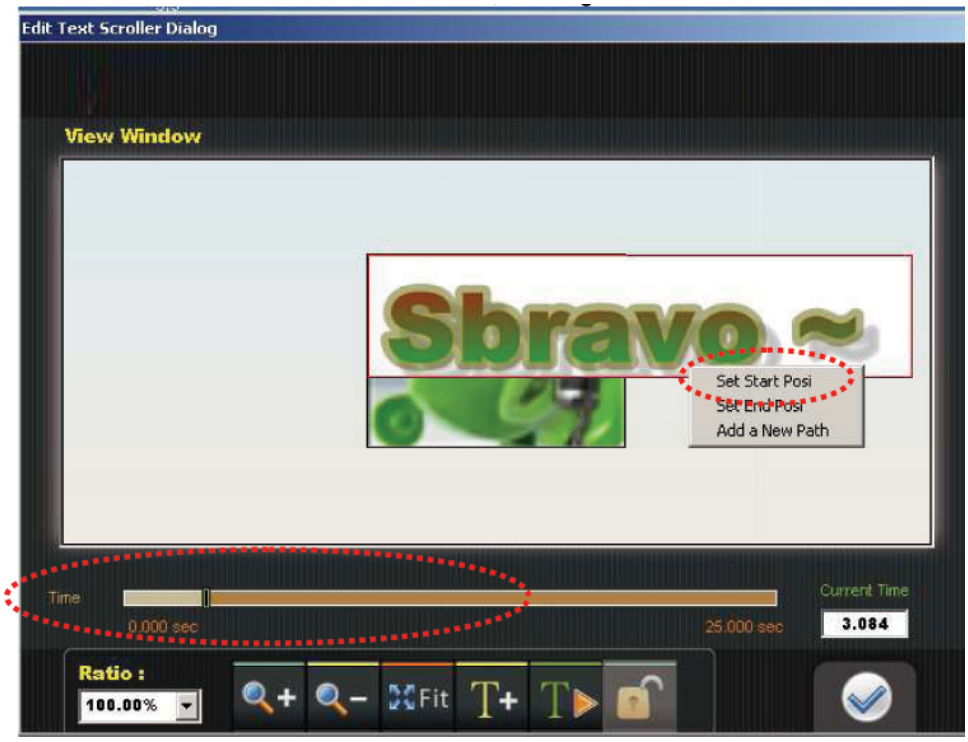


C. Please type the text in the area that we marked in red color on below figure. For example, type **Sbravo~** If you'd like to edit the text color and effect, please refer to Page 37 and P38 for details.



D. Please set **Start position** and **End position** on the **View Window dialog** after typed the text that you'd like to display.

a) Set Start Position： Please set the start playing time (please remove time bar as below figure) then move mouse to the text scroller area, click right button of mouse and set it as **start time**.



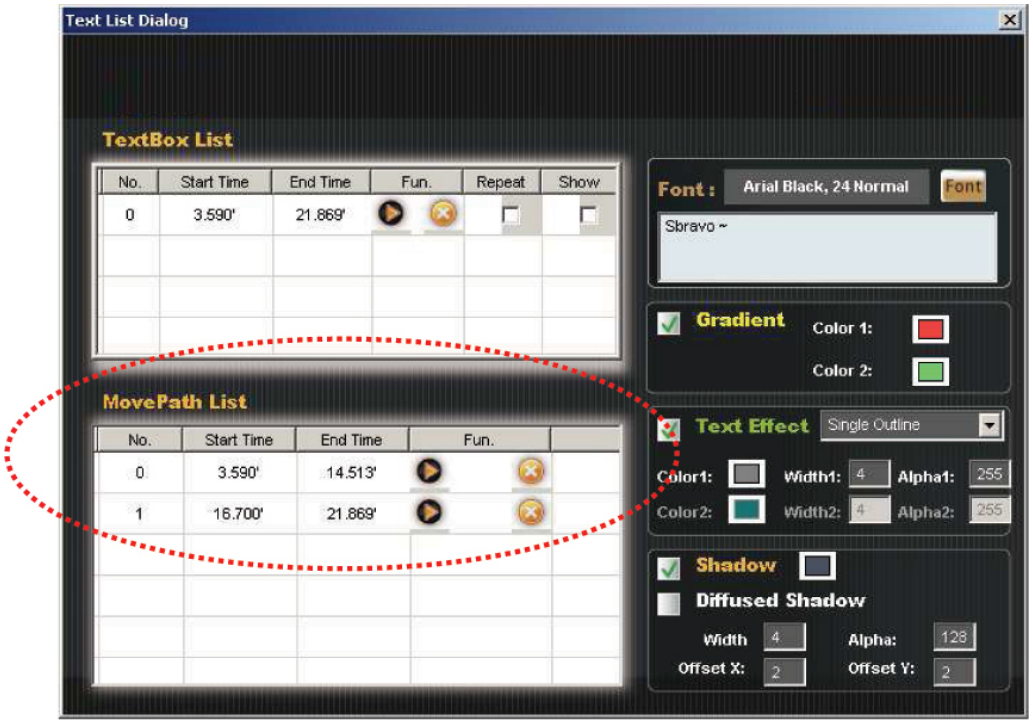
b) Set the running direction of text scroller (running text): Please remove mouse to the text scroller (running text) display area after setting of start position and end position, then keep pressing the left button of mouse and move the text running direction that you need. (the direction could be up, down, left and right).

【Remark】If running path is available, the symbol of will appear when removing mouse.

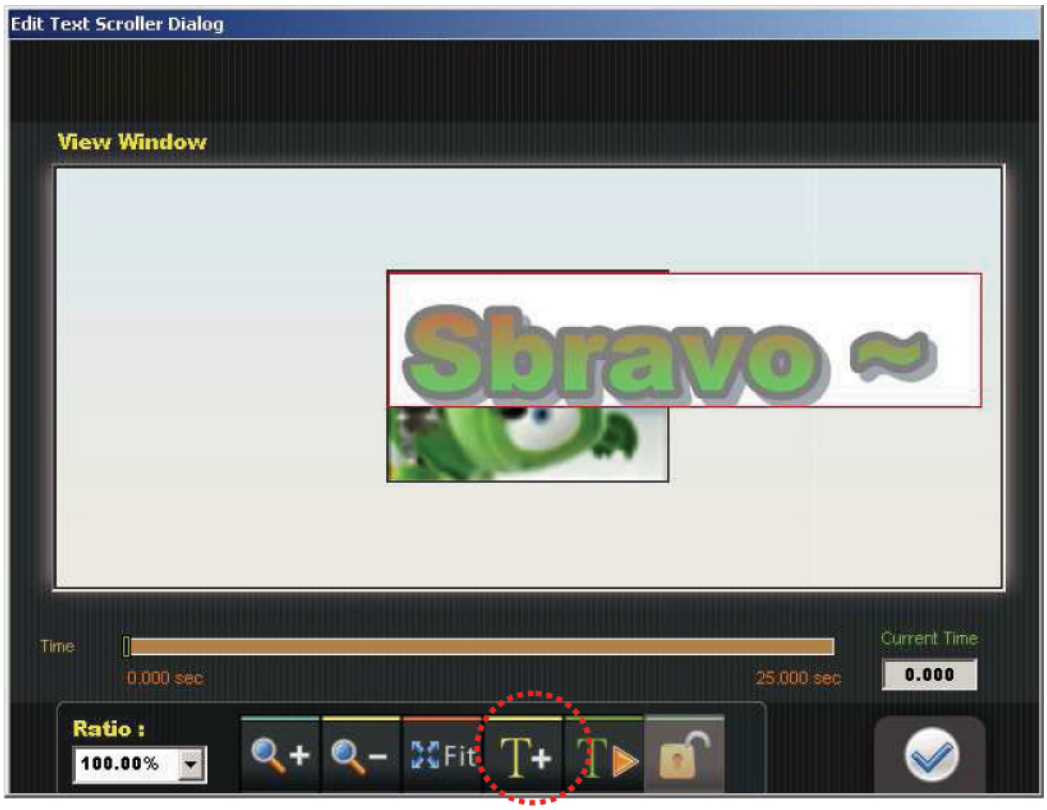
c) Set End Position： Please set the End playing time (please remove time bar as below figure) then move mouse to the text scroller area, click right button of mouse and set it as **end time**.

d) If you'd like to display the text scroller (running text) by different direction, please click **Add a New Path** (as below figure) then follow above list step a, , b, c to add the new text running direction.

【Remark】You will find two text scroller (running text) on **MovePath List** (as below figure) when you finished the two text running setting.

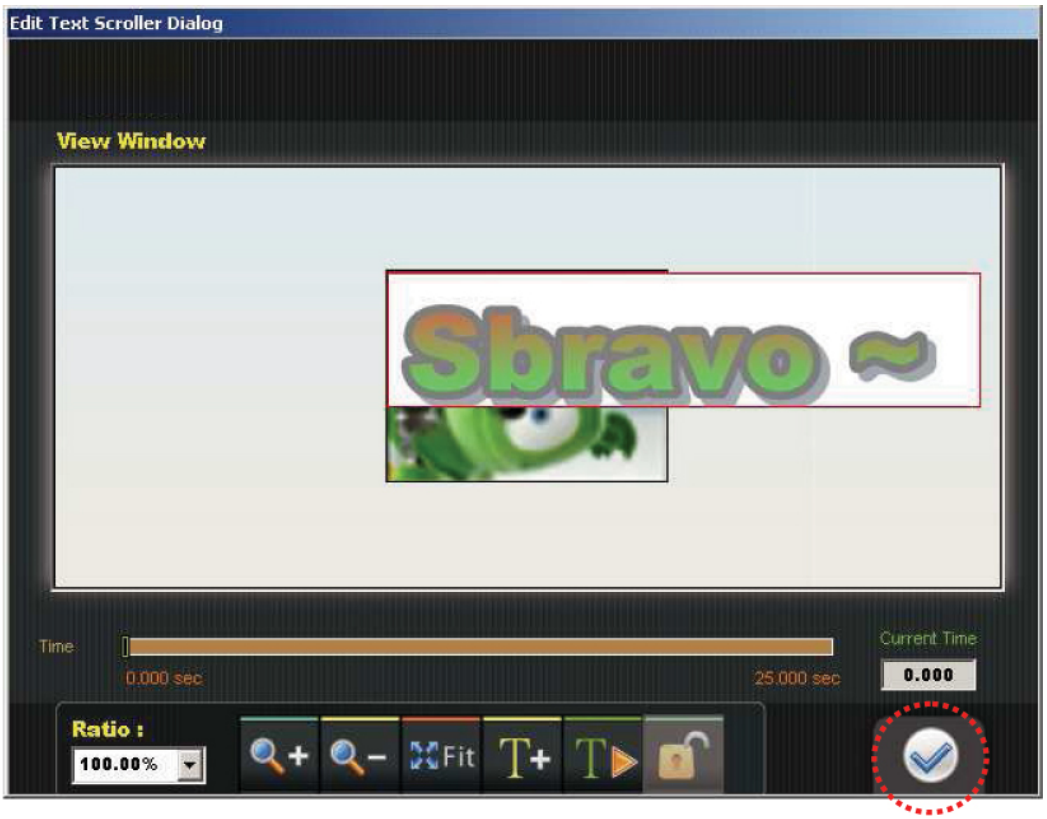


D. Please click (as below figure) to review the text scroller running direction in **View Window Dialog.**

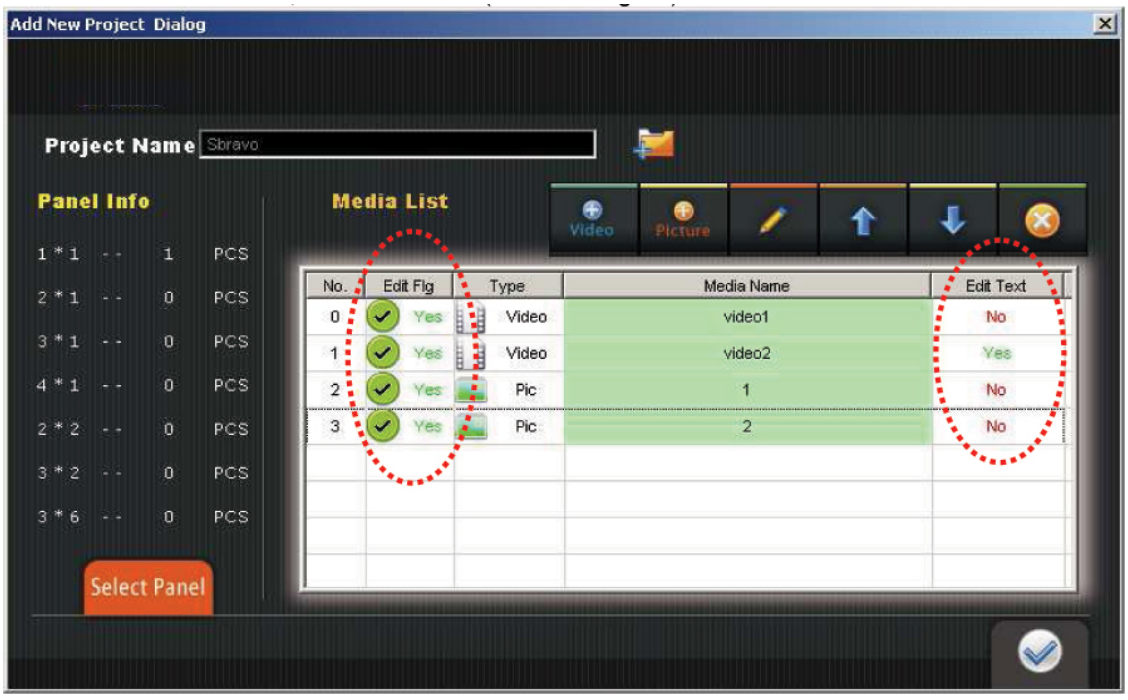


E. Please click to quit the Edit Text Scroller Dialog if your setting of text scroller are correct.

【**Remark**】If click you won't be able to adjust any parameters. Please re-set the text scroller (running text) if you'd like to make any adjustment.



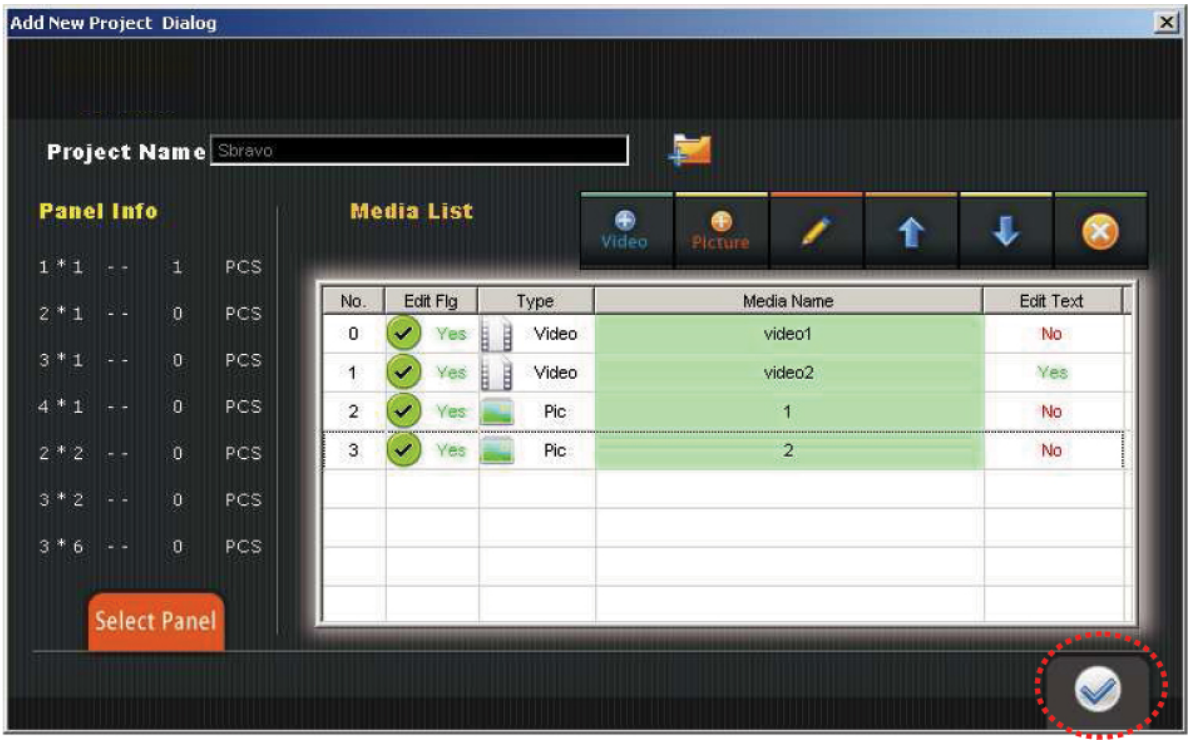
F. The column of **Edit Flg** and **Edit Text** will mark **Yes** if the media file and text scroller (running text) were edited. Otherwise, it will mark **No**. (As below figure).



6.1.3. Convert the media file after created project

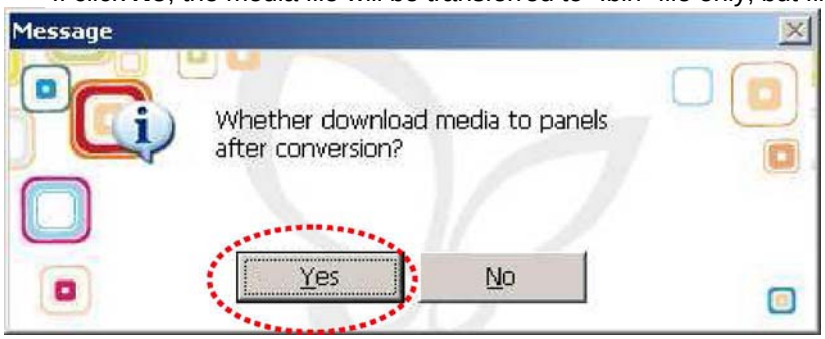
A. Please click to load the media file to signage after project created.

【Remark】Please make sure SLED connects with PC.

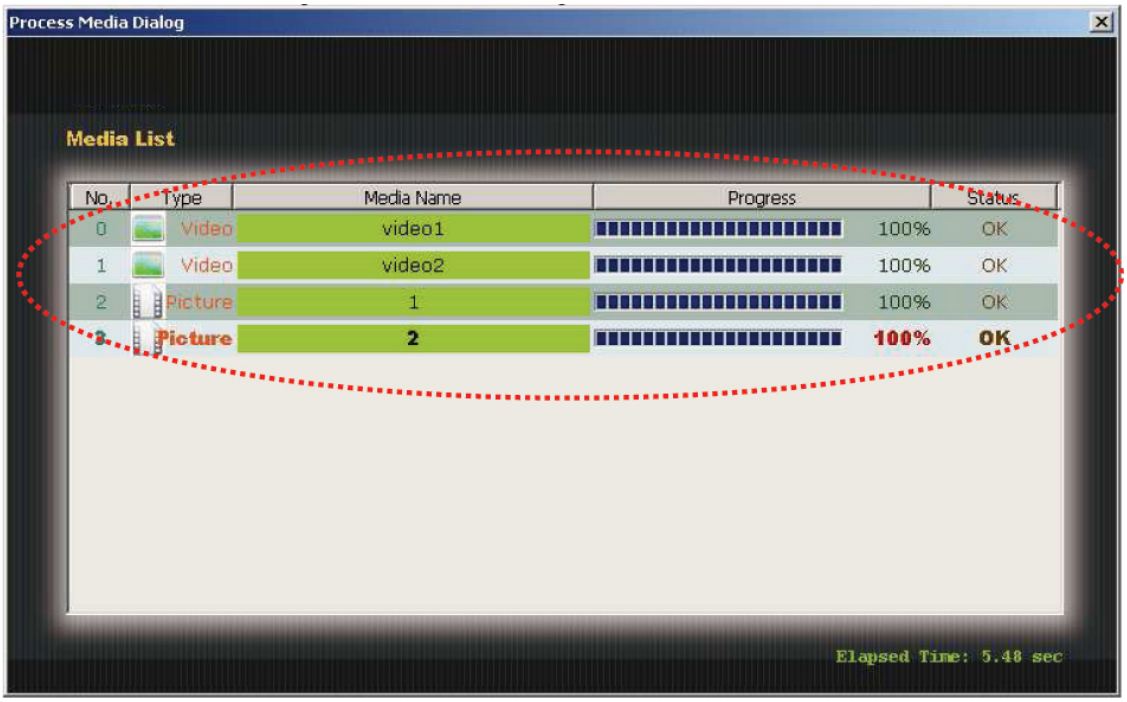


B. After click below dialog will appear, please click " **Yes"** to load the contents to SLED.

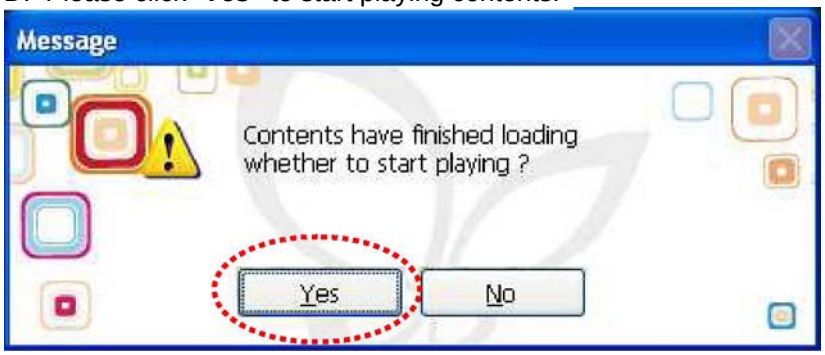
If click **No**, the media file will be transferred to ".bin" file only, but file won't be loaded to SLED.



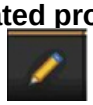
C. Please refer to below figure for contents loading status.

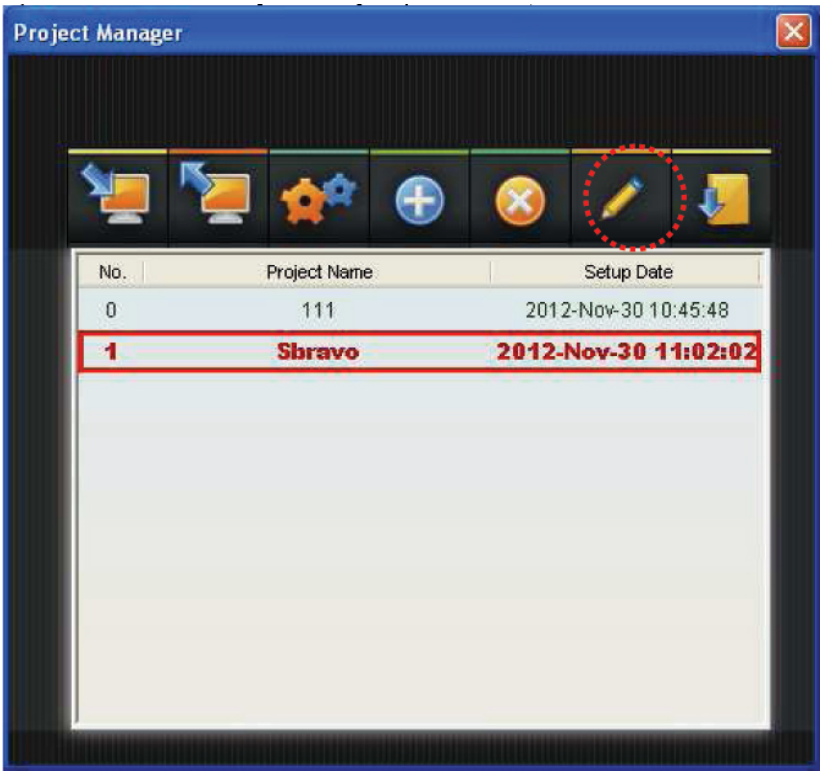


D. Please click "**Yes"** to start playing contents.

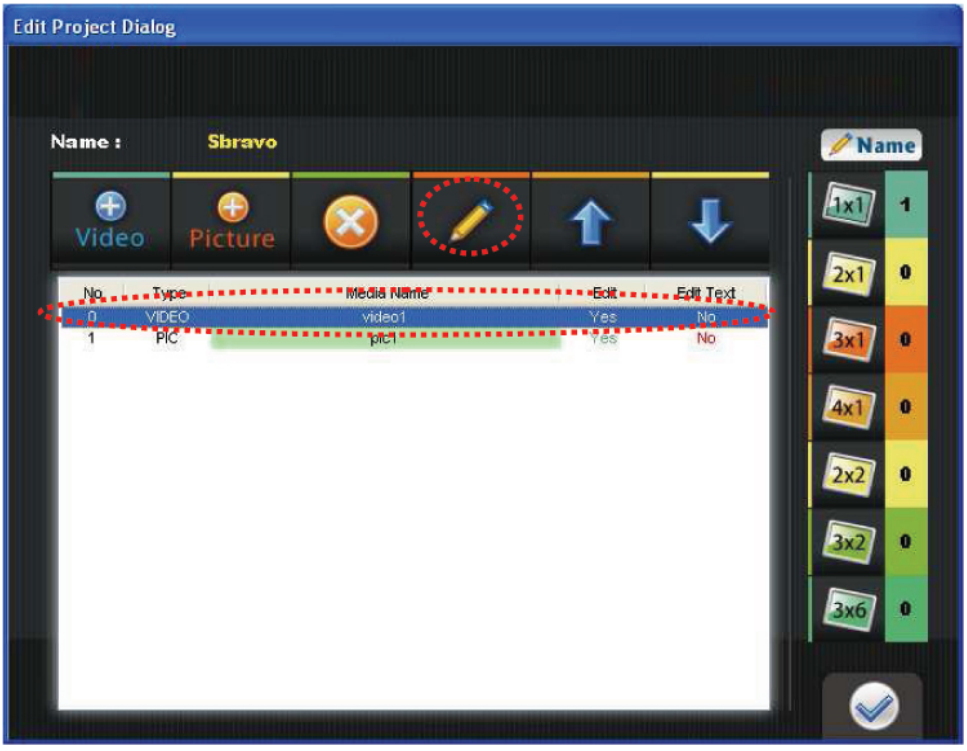


6.1.4. Edit the media file which exists on the created project.

A) Please click the Project that you plan to edit, then click 



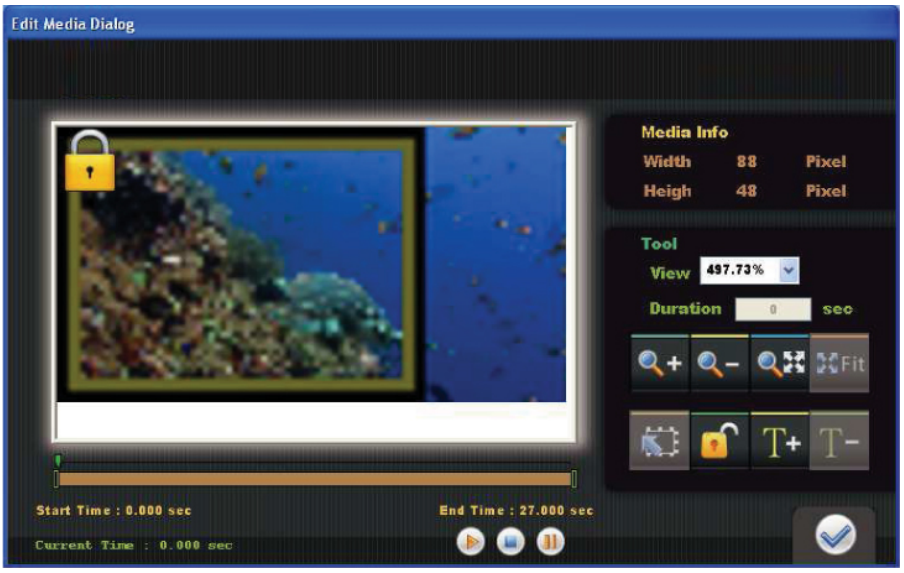
B) Then click the media name that you plan to edit, and click . The right side function key introduction as follows:



: Rename Project. When click the icon, the Project Rename Dialog will appear (as below figure), please input the new project name and click .

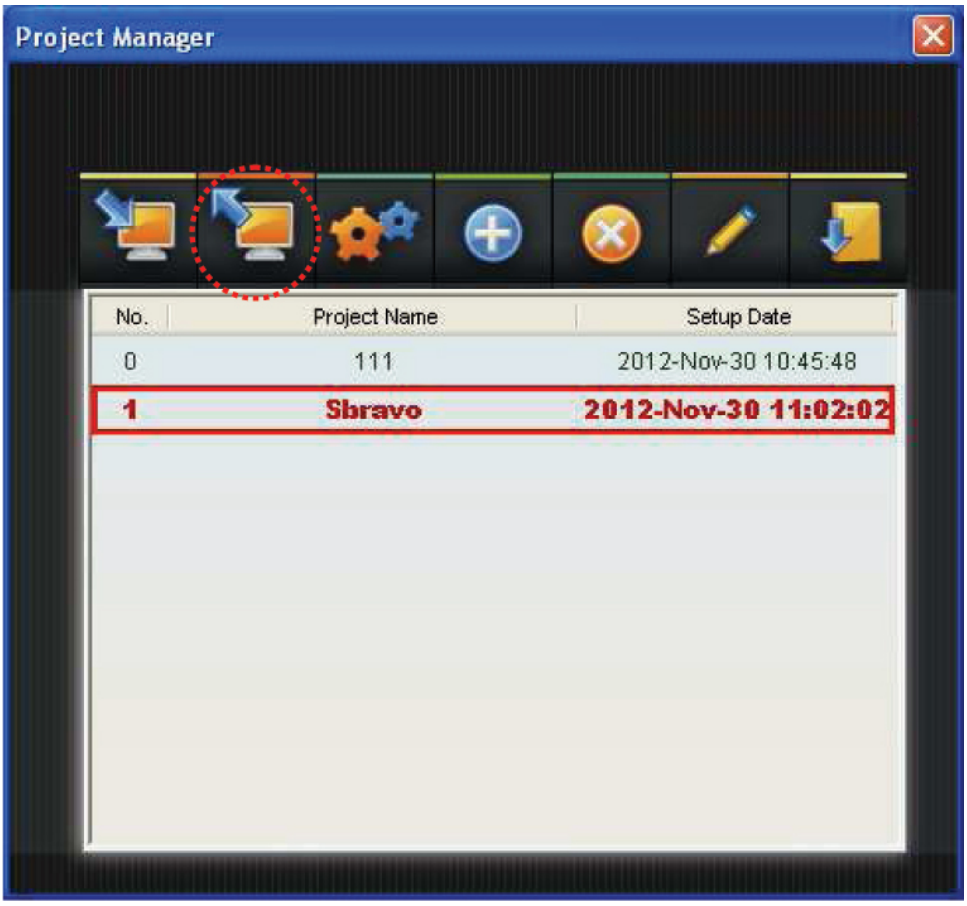
Display the relevant project information, includes, model number and quantity.

C) When below dialog appears, please refer to **6.1.2. Edit media file** to start editing.

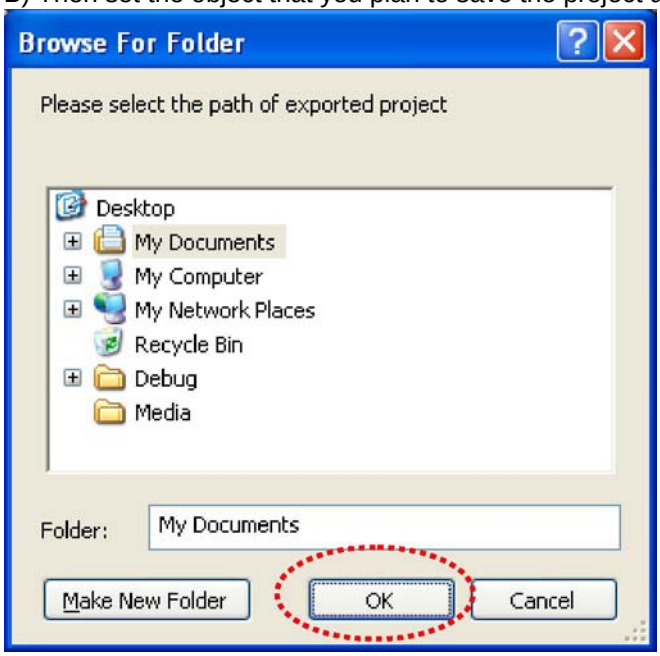


6.1.5. Export Project

A) Please select the project that you plan to export, then click



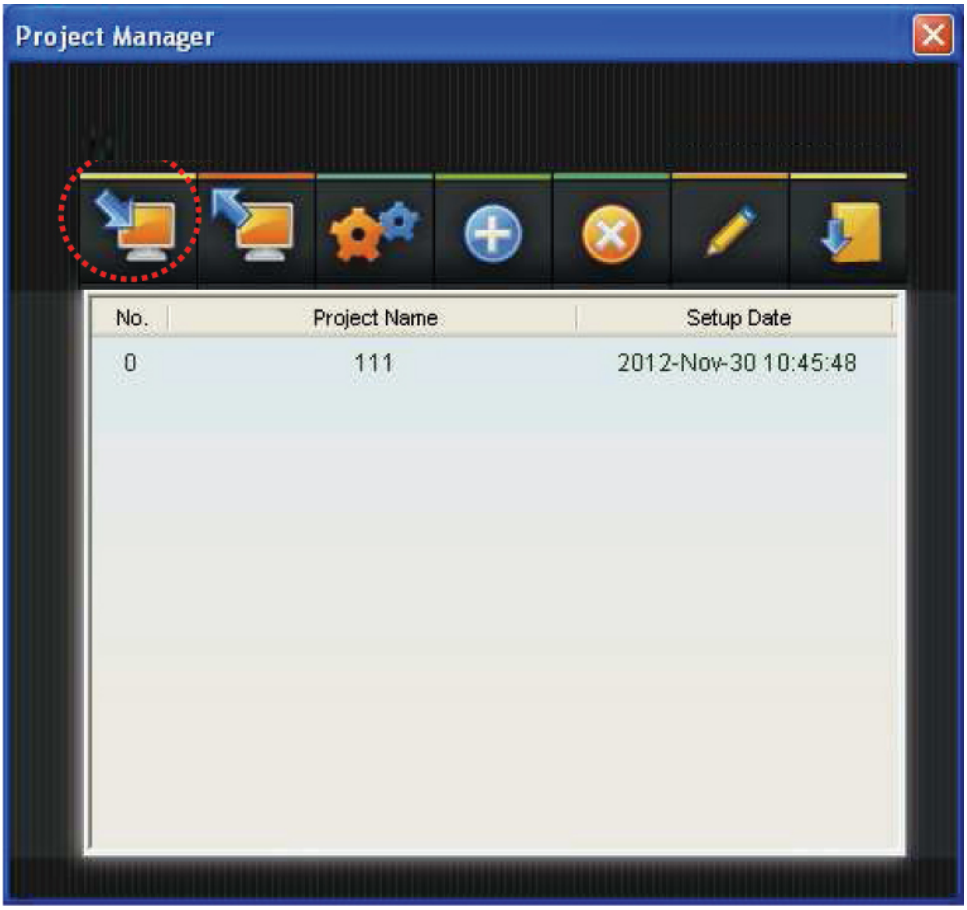
B) Then set the object that you plan to save the project and click **OK**.



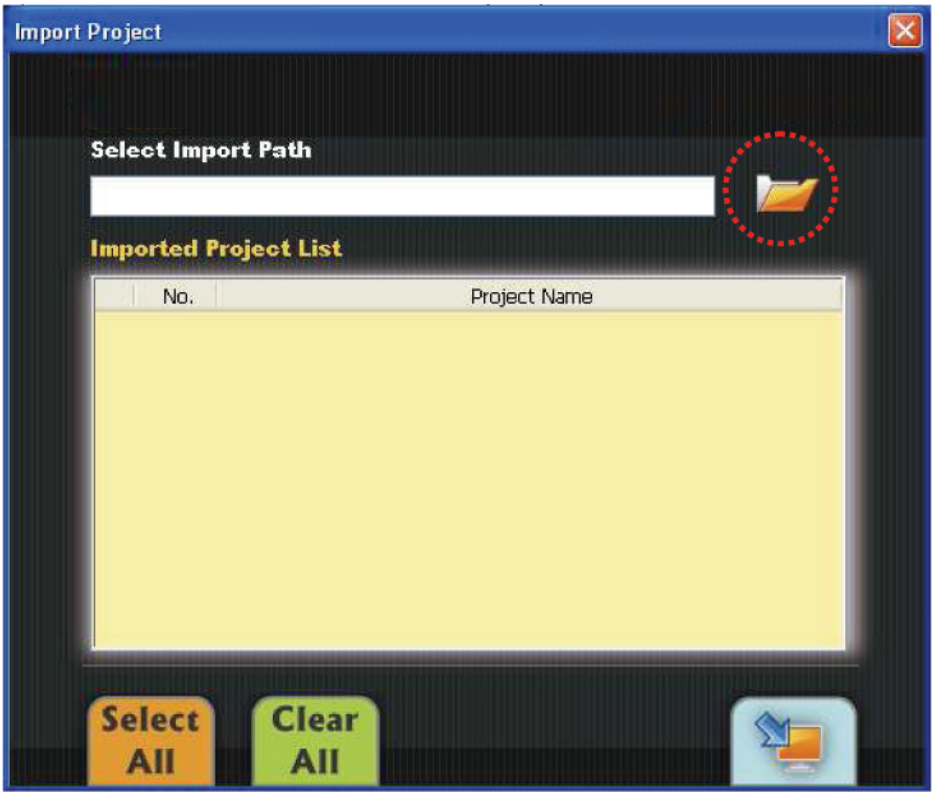
C) Below dialog will appear if project export is successful, then click OK.

6.1.6. Import Project

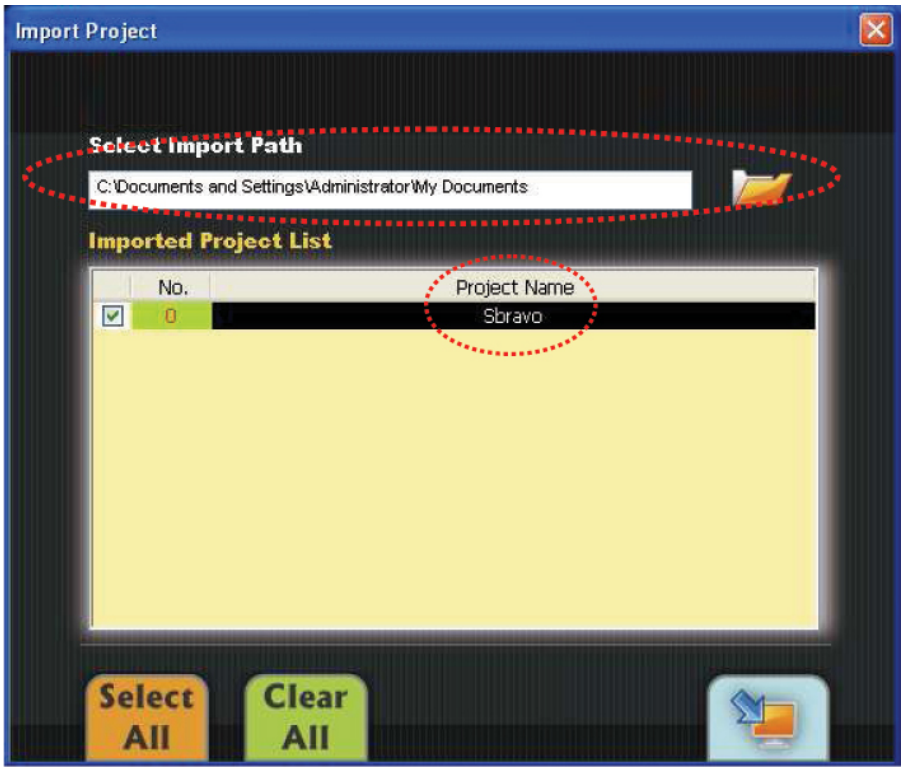
A) Please click if you plan to import the other project to be yours project.



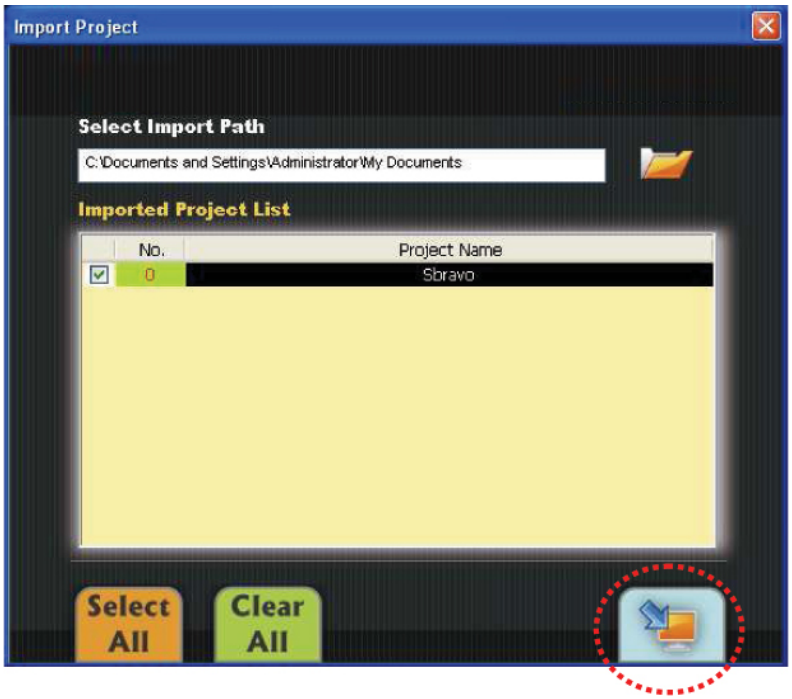
B) Please click to select the import path.



C) The project name that you import will be appeared if your select import path is successful.

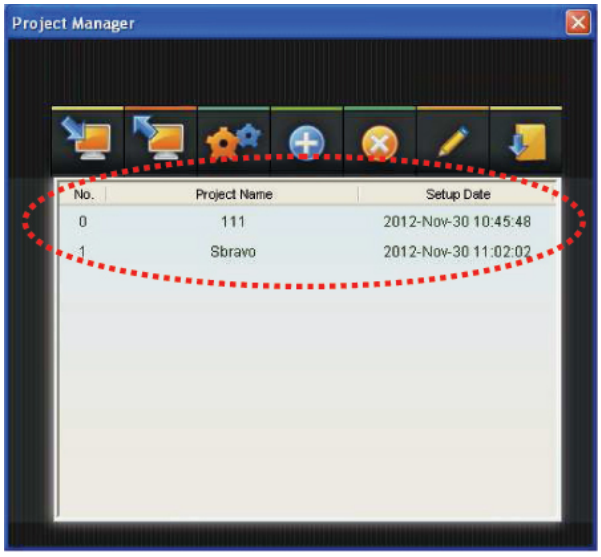


D) Please make sure the project that you import is correct, then click to start importing.



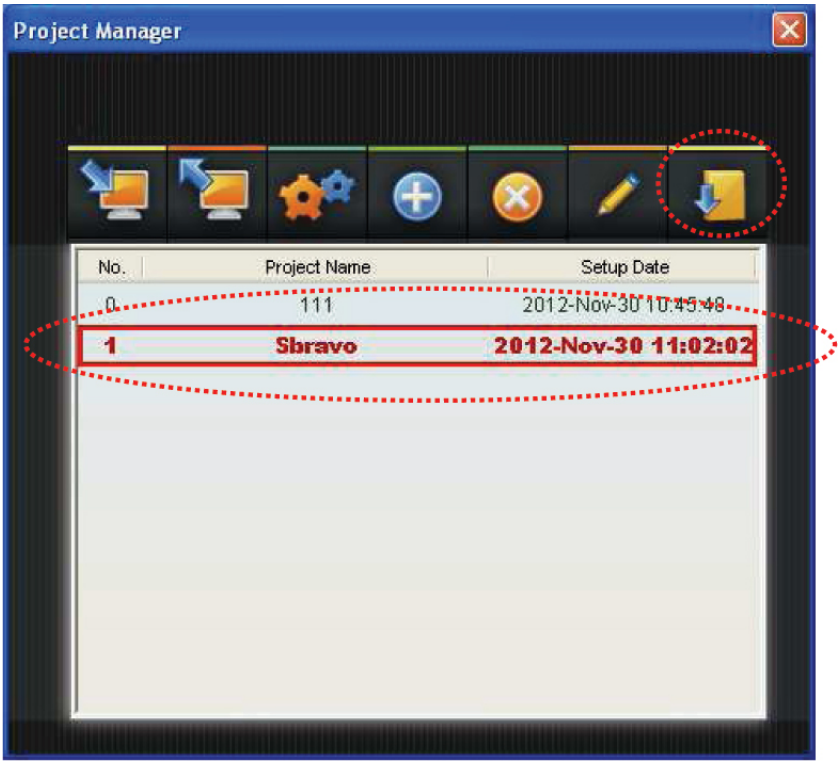
E) Below dialog will appear if the import project is successful.

F) After click OK, the import project information will appear, as below figure.

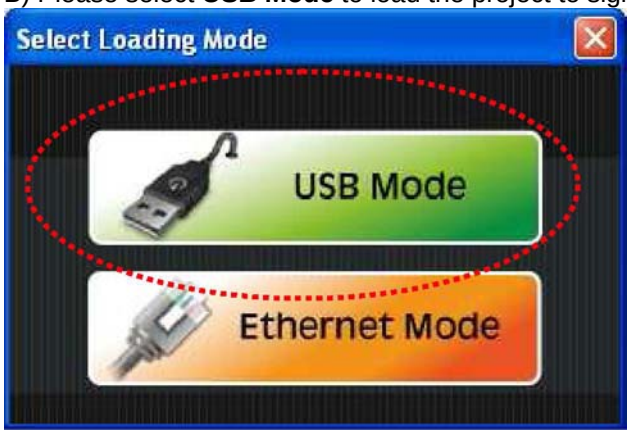


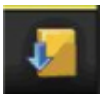
6.1.7. Load the import project to SLED

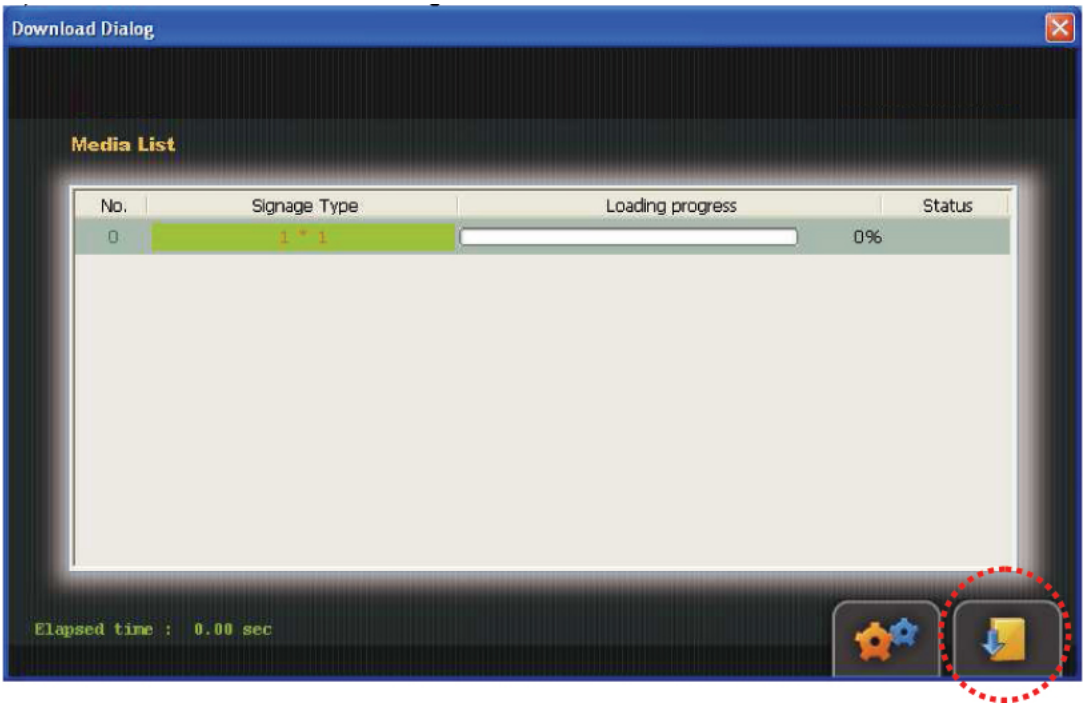
A) Please select project name then click .



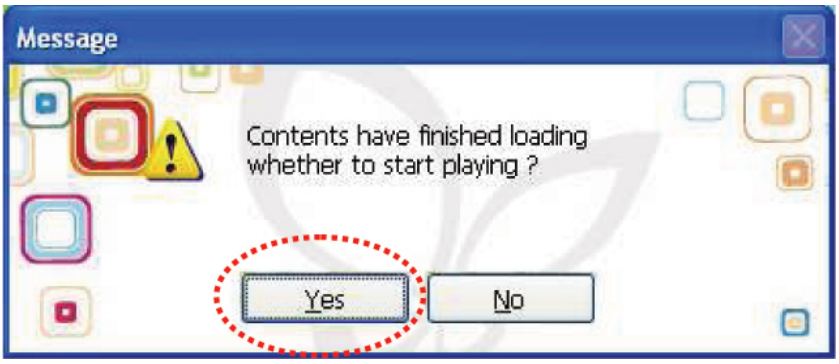
B) Please select **USB Mode** to load the project to signage.



C) Then click  to start loading.



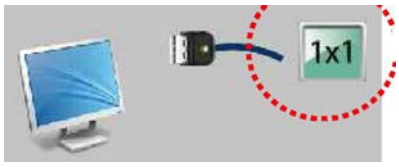
D) Please click "**Yes"** to start playing after loaded the contents.



6.2. Panel Config

A) Please click **Panel Config** icon if you plan to adjust parameters of sigange.

B) **Panel Config dialog** (as below figure) will appear after click Panel Config icon.



Display the model number which connects PC

Information	Description
USB Node	Display USB Node.
Group Number : 0	Display Group Number
Signage Number : 0	Display Signage number
Master/ Slaver : Master	Display Signage is Master or Slaver.
Backplane	Display backplane number
Firmware	Display Firmware version number
Color Table	Color Table code : Table No.1 (Brightness) / Table No.2 (Normal) / Table No.3 (Darkness)
LED Bin Code	Display LED Bin code
Composition	Display the composition of Signage
Serial Number	Display signage serial number

7. Turning the Signage On and Off

7.1 Turn on SLED by using power adaptor attached. Connect one end of the power adaptor to power supply (100 ~ 240 AC) and the other end to DC jack connector on the back of SLED.

(Note: Don't use any power adaptor that is not confirmed by iTechLCD)

7.2 Turn the signage off: Unplug the power adaptor directly.

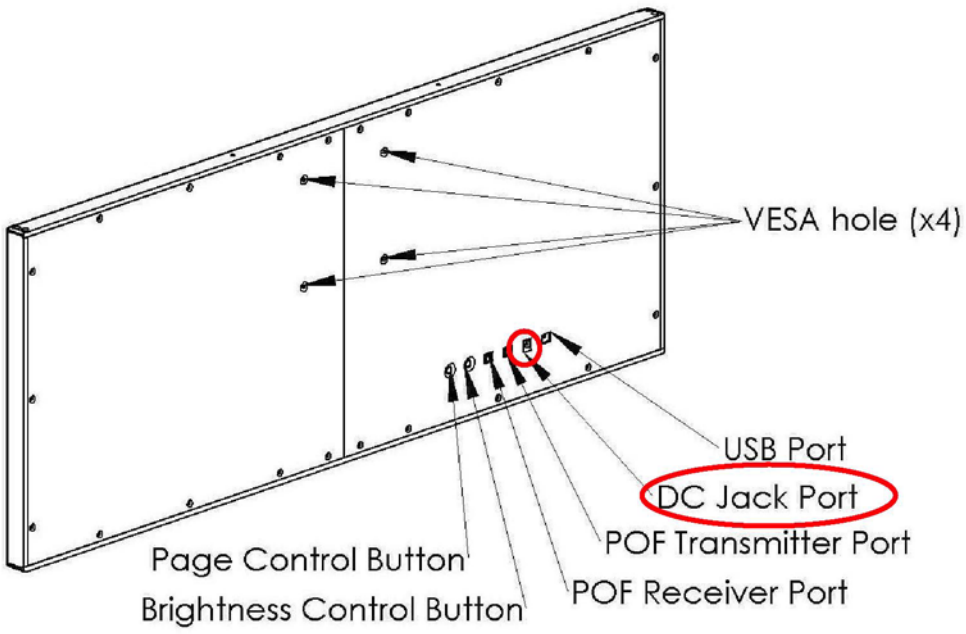


Figure 62

8. Brightness Adjustment

SLED is built-in one ambient light sensor module which is able to detect and adjust the brightness of LED panel automatically. Besides, SLED also provide 5 options (100%, 25%, 50%, 75% and Auto) to adjust the brightness. You may adjust the brightness by pressing the **Brightness Control Button** on the rear side of Signage. The initial setting of SLED is 100% when power on.

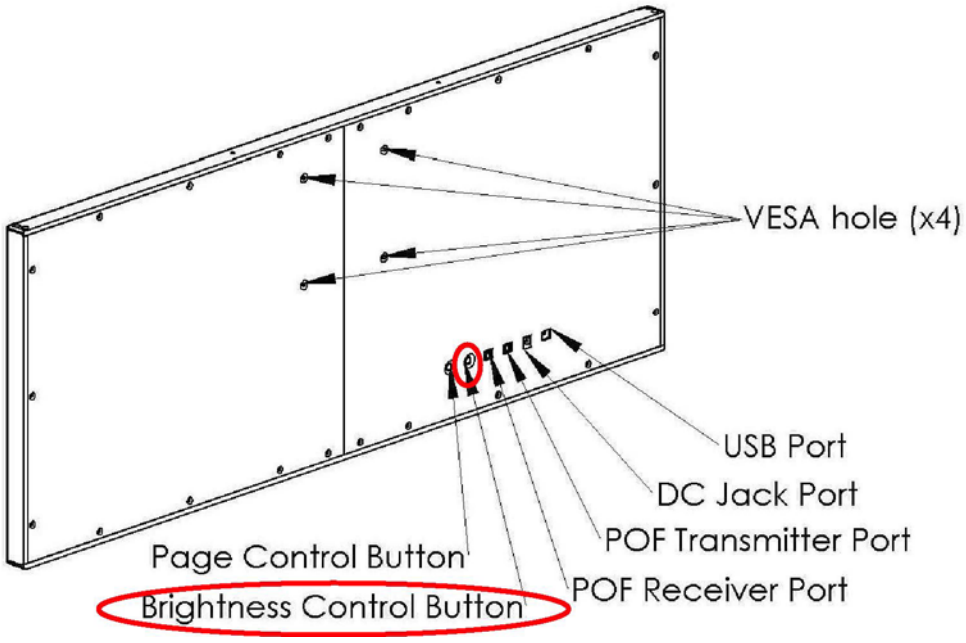


Figure 63

9. Video playing Controlling

You may set to play a certain video file repeatedly by pressing **Page Control Button.**

For example, if you combine 3 video files and transformation them to SLED, the initial setting of SLED is playing 1st video file, then 2nd video file and 3rd video file and repeatedly. You may press **Page Control Button** once to set playing 1st Video only and repeatedly. Press **Page Control Button** twice to set playing 2nd Video only and repeatedly. Same as 3rd Video file.

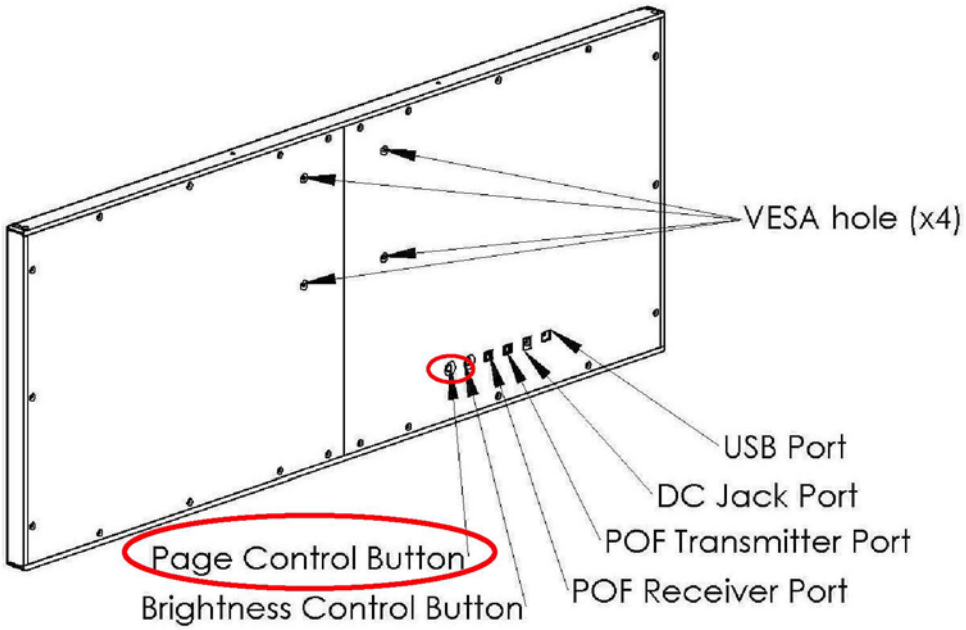


Figure 64

10. File Format Supported

Any format as long as supported by windows can be input in SLED for display, such as:

Windows Media○R Video (WMV)
Advanced Systems Format (ASF)
Motion Picture Experts Group (MPEG)
Audio-Video Interleaved (AVI)
QuickTime (version 2 and lower)
Windows Media Video
ISO MPEG-4 video version 1.0
Microsoft MPEG-4 version 3
Digital Video (DV)
MPEG-1 (decompression only)

11. Specification of SLED

11.1 Model No.: SLED6448F-6

Items	Specification
LED Pixel Pitch	6 mm
LED Type	3 in 1 SMD LED
Horizontal dots	64 dots
Vertical dots	48 dots
Total LED dots	3,072 dots of 3-in-1 RGB LED
Brightness	2,500 nits (cd/m^2)
Gradation Level	10 bits for each color; totally 1024 * 1024 * 1024 colors
Life Time	50,000h (50% Brightness)
Power Supply	100 ~ 240V AC, 50 ~ 60Hz, (power adaptor: 19V to 28V input, 60W)
Power Consumption	Typical < 30W ; Maximum 60W
Interface(Input)	USB 2.0, CF Card
Dimension	LED Area : 384mm (W) * 288mm (H) With Frame : 421mm (W)* 325mm (H) * 28mm (D)
Temperature	operation : -5 to 40℃ ; storage : -20 to 60 ℃
Relative humidity	< 95% RH
Driving Mode	point to point (static)
Refresh Rate	120 Hz
Frame Rate	30 frames per second
View Angle	Horizontal : 130･ , Vertical : 130･
Weight	3 Kgs, w/o accessory
Memory	1 CF card inside, 2GB

11.2 Model No.: SLED12848F-6

Items	Specification
LED Pixel Pitch	6 mm
LED Type	3 in 1 SMD LED
Horizontal dots	128 dots
Vertical dots	48 dots
Total LED dots	6,144 dots of 3-in-1 RGB LED
Brightness	2,500 nits (cd/m^2)
Gradation Level	10 bits for each color; totally 1024 * 1024 * 1024 colors
Life Time	50,000h (50% Brightness)
Power Supply	100 ~ 240V AC, 50 ~ 60Hz, (power adaptor: 19V to 28V input, 60W)
Power Consumption	Typical < 60W ; Maximum 120W
Interface(Input)	USB 2.0, CF Card
Dimension	LED Area : 768mm (W) * 288mm (H) With Frame : 805mm (W)* 325mm (H) * 28mm (D)
Temperature	operation : -5 to 40℃ ; storage : -20 to 60 ℃
Relative humidity	< 95% RH
Driving Mode	point to point (static)
Refresh Rate	120 Hz
Frame Rate	30 frames per second
View Angle	Horizontal : 130･ , Vertical : 130･
Weight	6 KGS, w/o accessory
Memory	1 CF card inside, 2GB

11.3 Model No.: SLED19248F-6

Items	Specification
LED Pixel Pitch	6 mm
LED Type	3 in 1 SMD LED
Horizontal dots	192 dots
Vertical dots	48 dots
Total LED dots	9,216 dots of 3-in-1 RGB LED
Brightness	2,500 nits (cd/m^2)
Gradation Level	10 bits for each color; totally 1024 * 1024 * 1024 colors
Life Time	50,000h (50% Brightness)
Power Supply	100 ~ 240V AC, 50 ~ 60Hz, (power adaptor: 19V to 28V input, 60W)
Power Consumption	Typical < 90W ; Maximum 180W
Interface(Input)	USB 2.0, CF Card
Dimension	LED Area : 1,152mm (W) * 288mm (H) With Frame : 1,189mm (W)* 325mm (H) * 28mm (D)
Temperature	operation : -5 to 40℃ ; storage : -20 to 60 ℃
Relative humidity	< 95% RH
Driving Mode	point to point (static)
Refresh Rate	120 Hz
Frame Rate	30 frames per second
View Angle	Horizontal : 130· , Vertical : 130·
Weight	9 KGS, w/o accessory
Memory	1 CF card inside, 2GB

11.4 Model No.: SLED25648F-6

Items	Specification
LED Pixel Pitch	6 mm
LED Type	3 in 1 SMD LED
Horizontal dots	256 dots
Vertical dots	48 dots
Total LED dots	12,288 dots of 3-in-1 RGB LED
Brightness	2,500 nits (cd/m^2)
Gradation Level	10 bits for each color; totally 1024 * 1024 * 1024 colors
Life Time	50,000h (50% Brightness)
Power Supply	100 ~ 240V AC, 50 ~ 60Hz, (power adaptor: 19V to 28V input, 60W)
Power Consumption	Typical < 120W ; Maximum 240W
Interface(Input)	USB 2.0, CF Card
Dimension	LED Area : 1,536mm (W) * 288mm (H) With Frame : 1,573mm (W)* 325mm (H) * 28mm (D)
Temperature	operation : -5 to 40℃ ; storage : -20 to 60 ℃
Relative humidity	< 95% RH
Driving Mode	point to point (static)
Refresh Rate	120 Hz
Frame Rate	30 frames per second
View Angle	Horizontal : 130· , Vertical : 130·
Weight	12 KGS, w/o accessory
Memory	1 CF card inside, 2GB

11.5 Model No.: SLED12896F-6

Items	Specification
LED Pixel Pitch	6 mm
LED Type	3 in 1 SMD LED
Horizontal dots	128 dots
Vertical dots	96 dots
Total LED dots	12,288 dots of 3-in-1 RGB LED
Brightness	2,500 nits (cd/m^2)
Gradation Level	10 bits for each color; totally 1024 * 1024 * 1024 colors
Life Time	50,000h (50% Brightness)
Power Supply	100 ~ 240V AC, 50 ~ 60Hz, (power adaptor: 19V to 28V input, 60W)
Power Consumption	Typical < 120W ; Maximum 240W
Interface(Input)	USB 2.0, CF Card
Dimension	LED Area : 768mm (W) * 576mm (H) With Frame : 805mm (W)* 613mm (H) * 28mm (D)
Temperature	operation : -5 to 40℃ ; storage : -20 to 60 ℃
Relative humidity	< 95% RH
Driving Mode	point to point (static)
Refresh Rate	120 Hz
Frame Rate	30 frames per second
View Angle	Horizontal : 130･ , Vertical : 130･
Weight	12 KGS, w/o accessory
Memory	1 CF card inside, 2GB

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